

REPLACEMENT SHEET

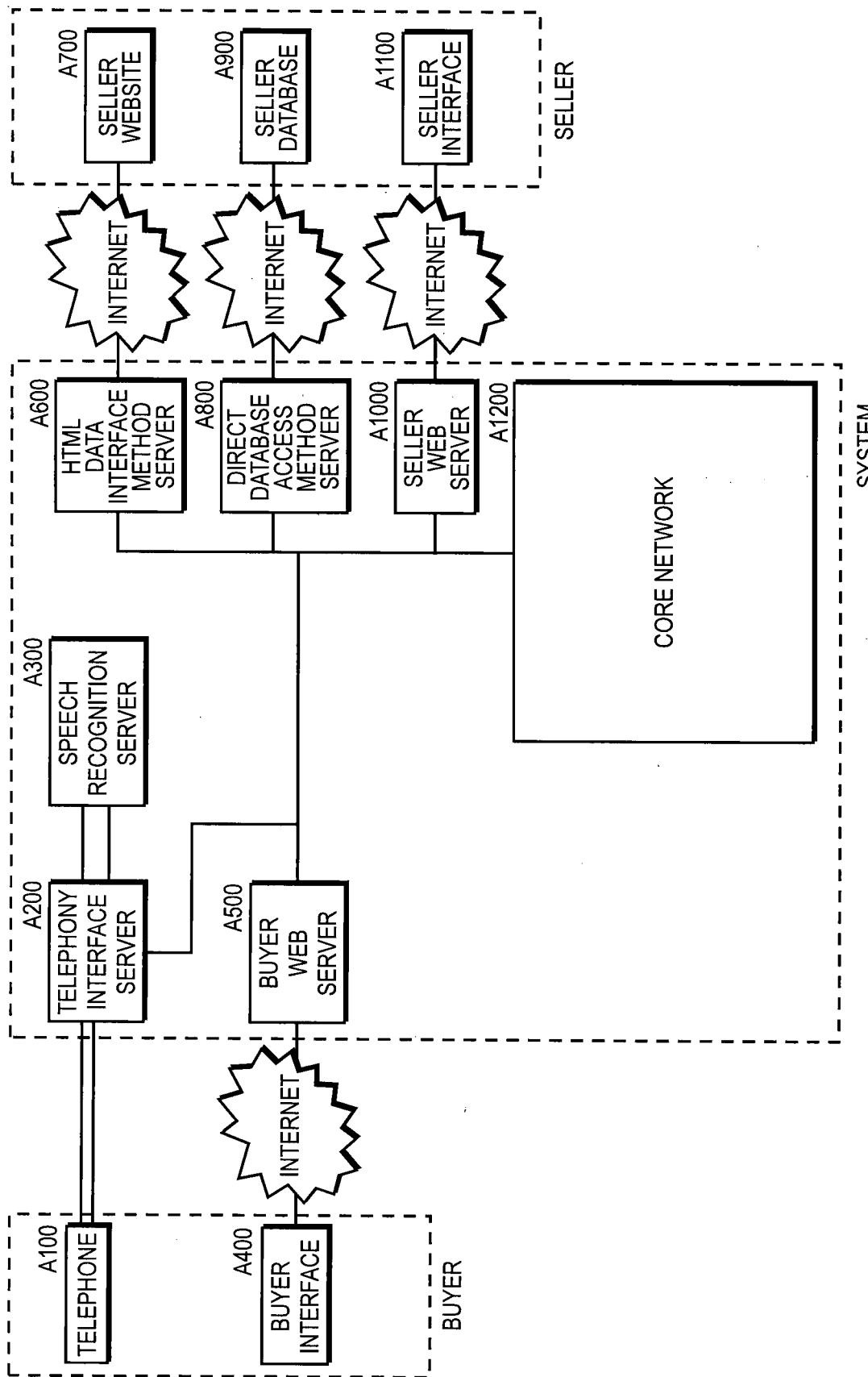


FIG. 1

REPLACEMENT SHEET

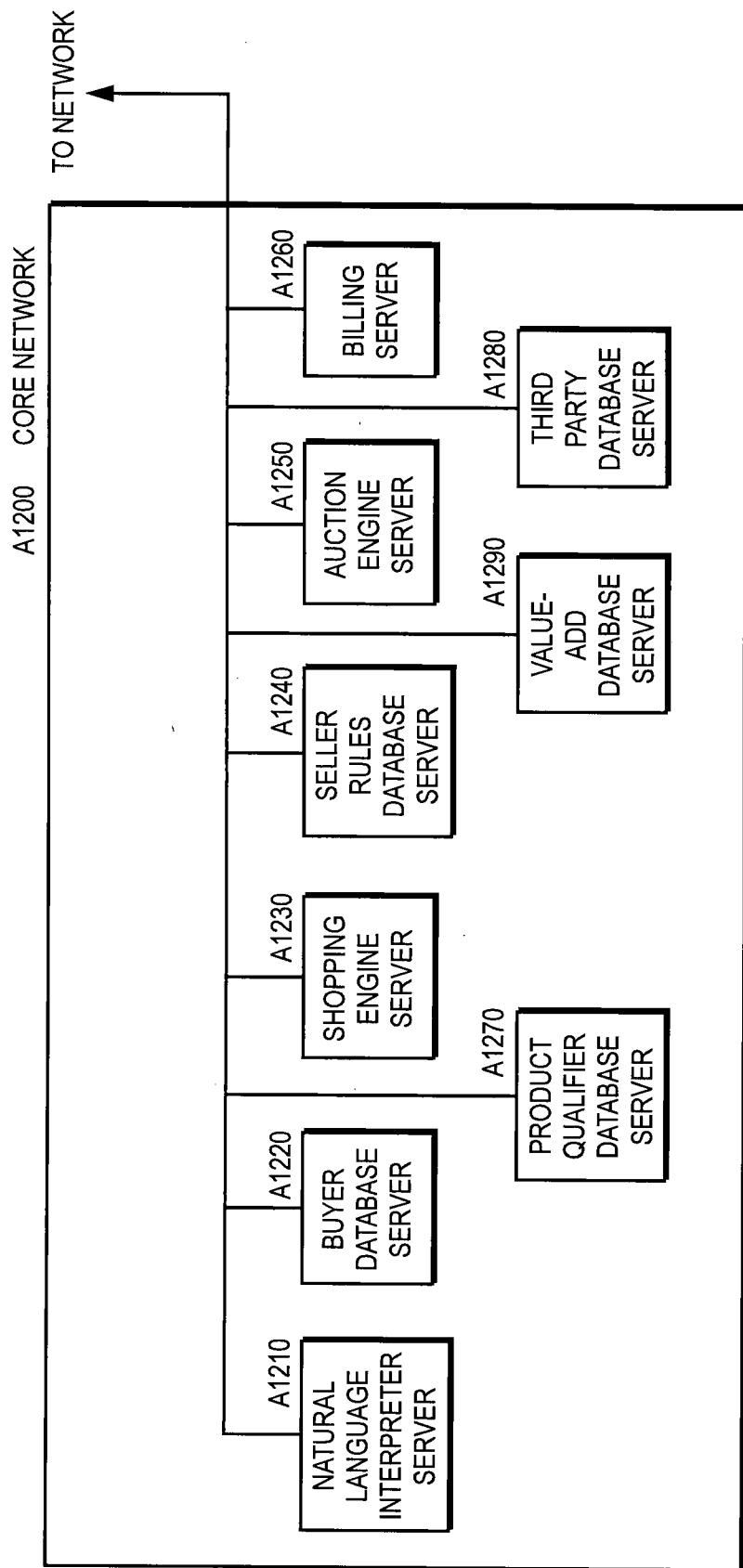


FIG. 2

REPLACEMENT SHEET

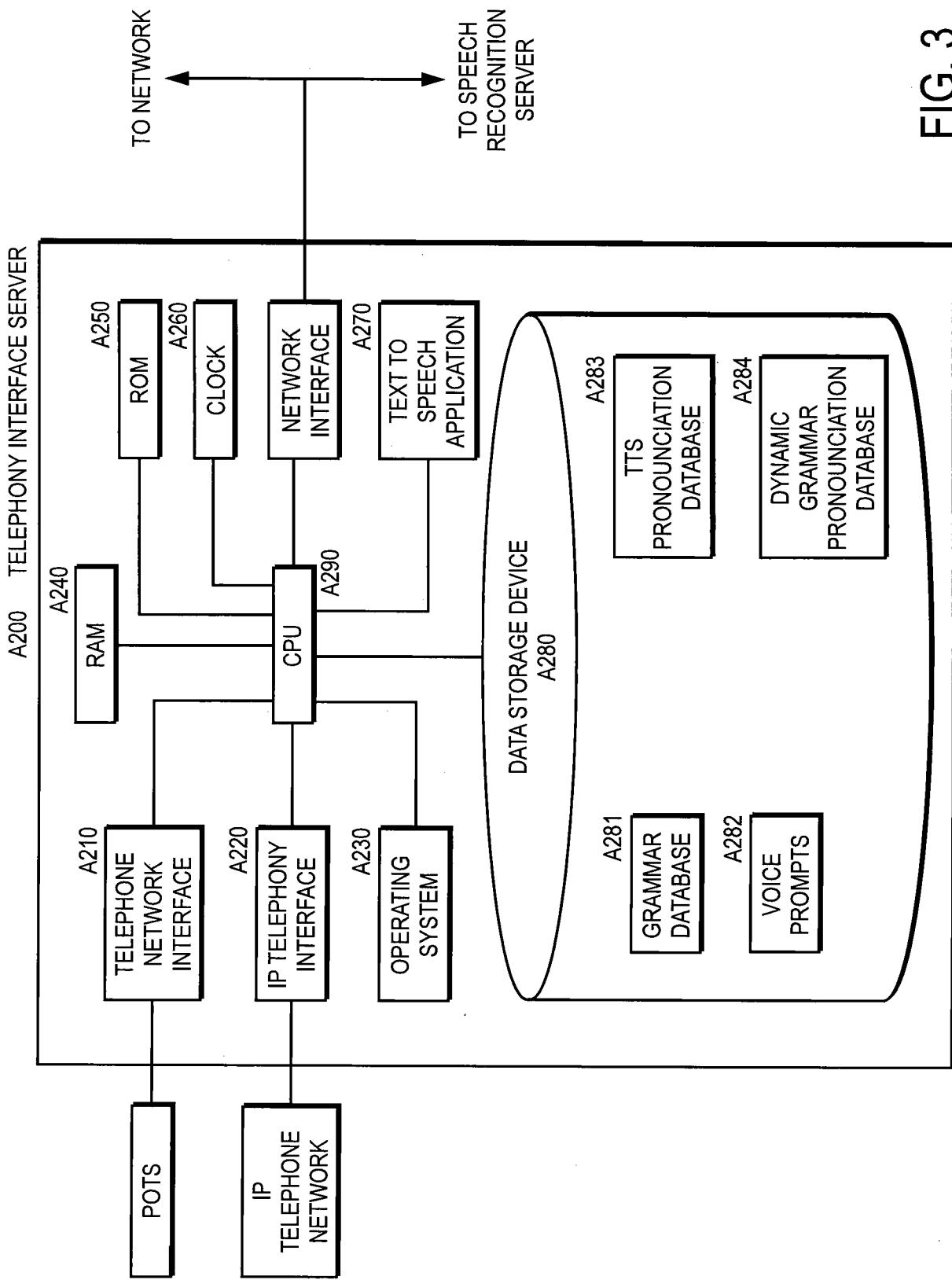


FIG. 3

REPLACEMENT SHEET

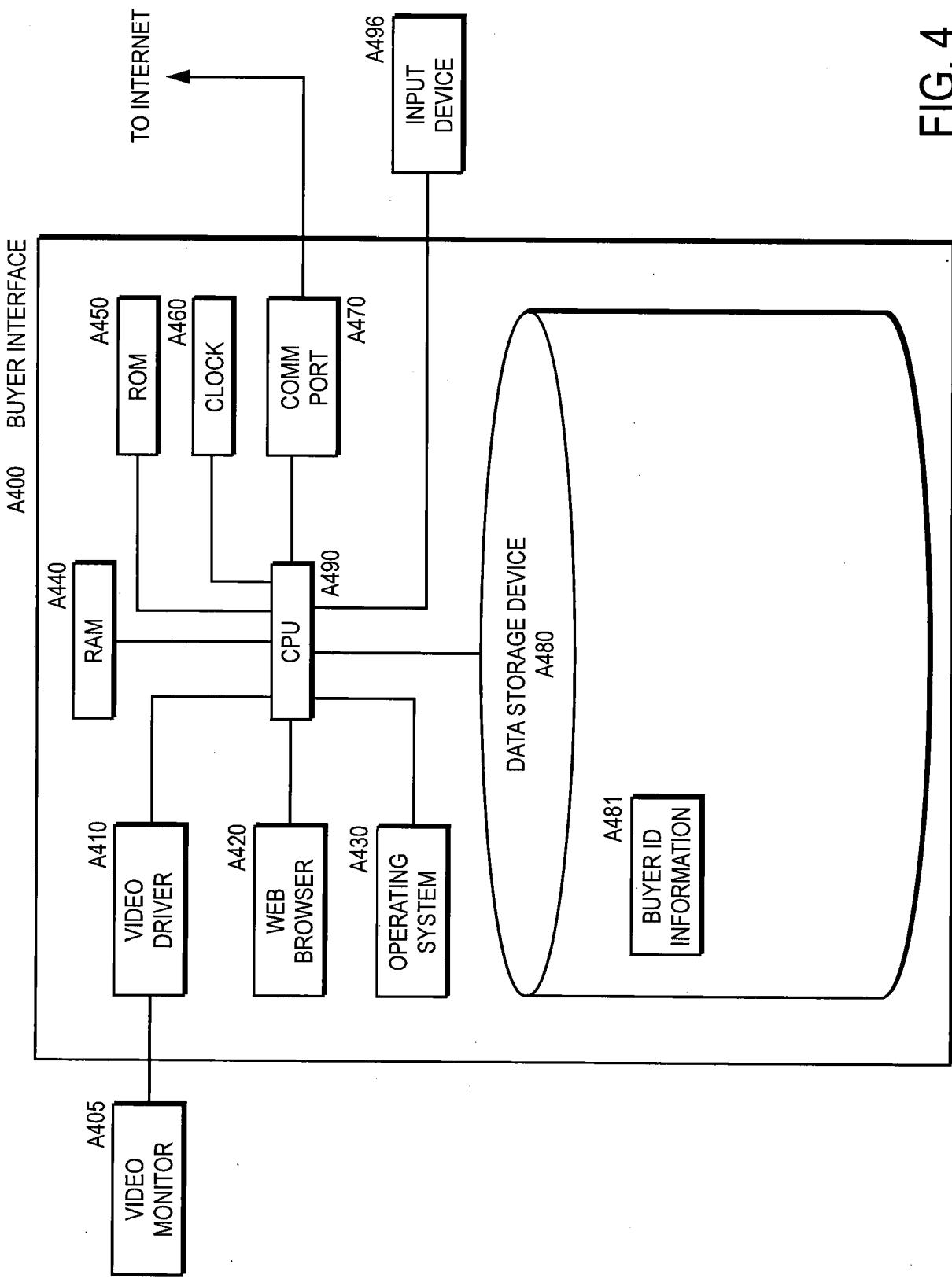


FIG. 4

REPLACEMENT SHEET

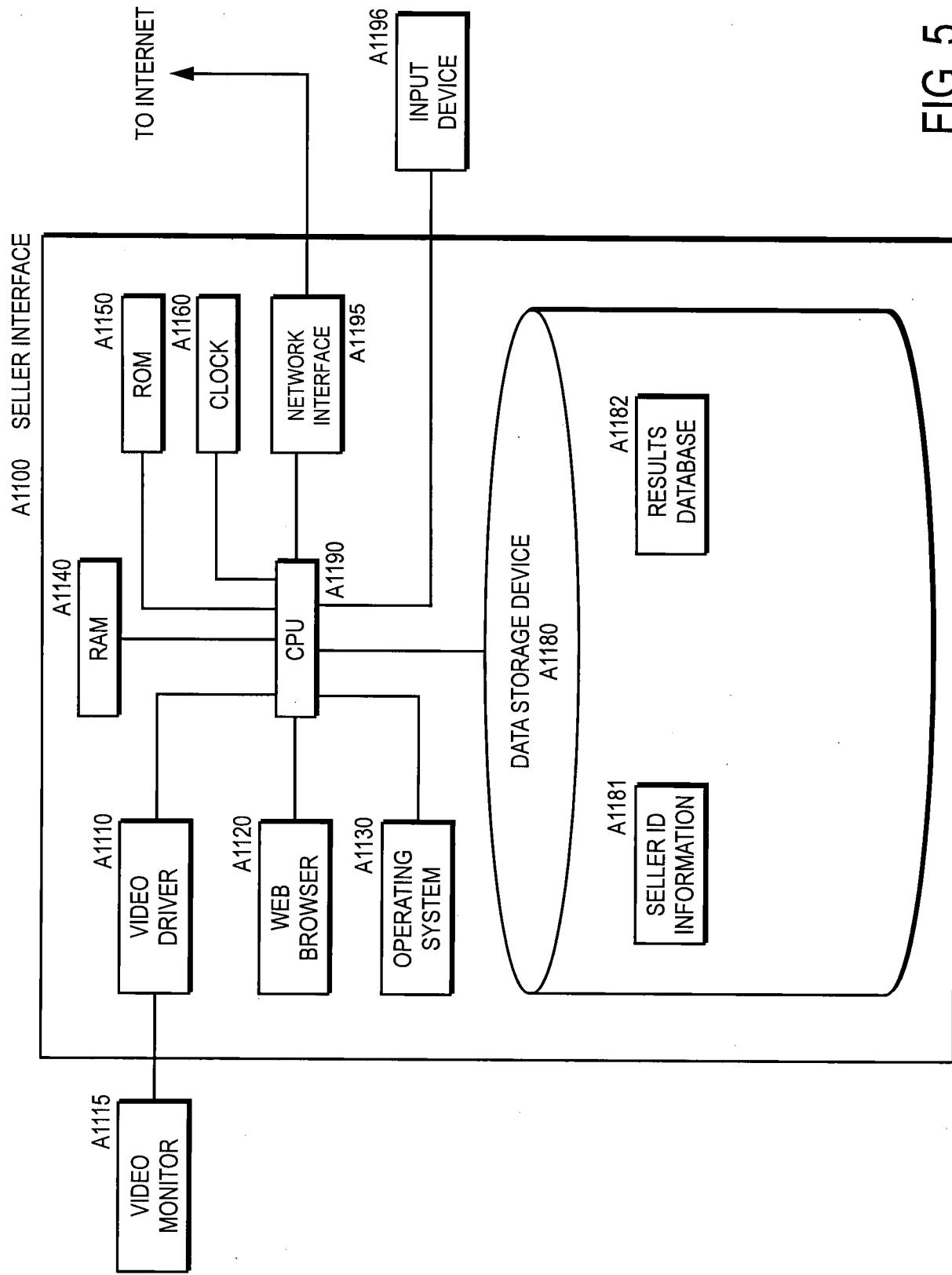
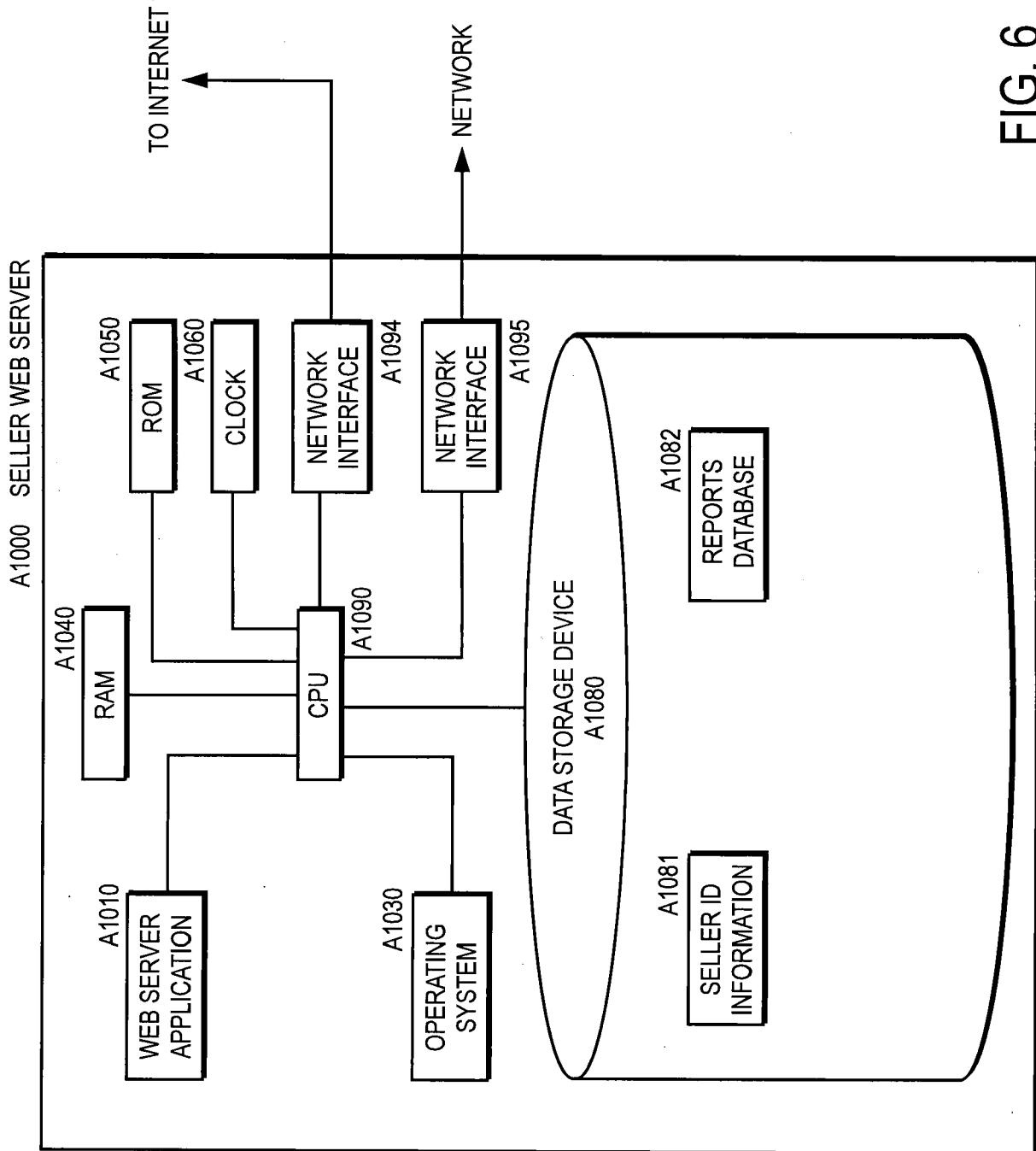


FIG. 5

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REPLACEMENT SHEET

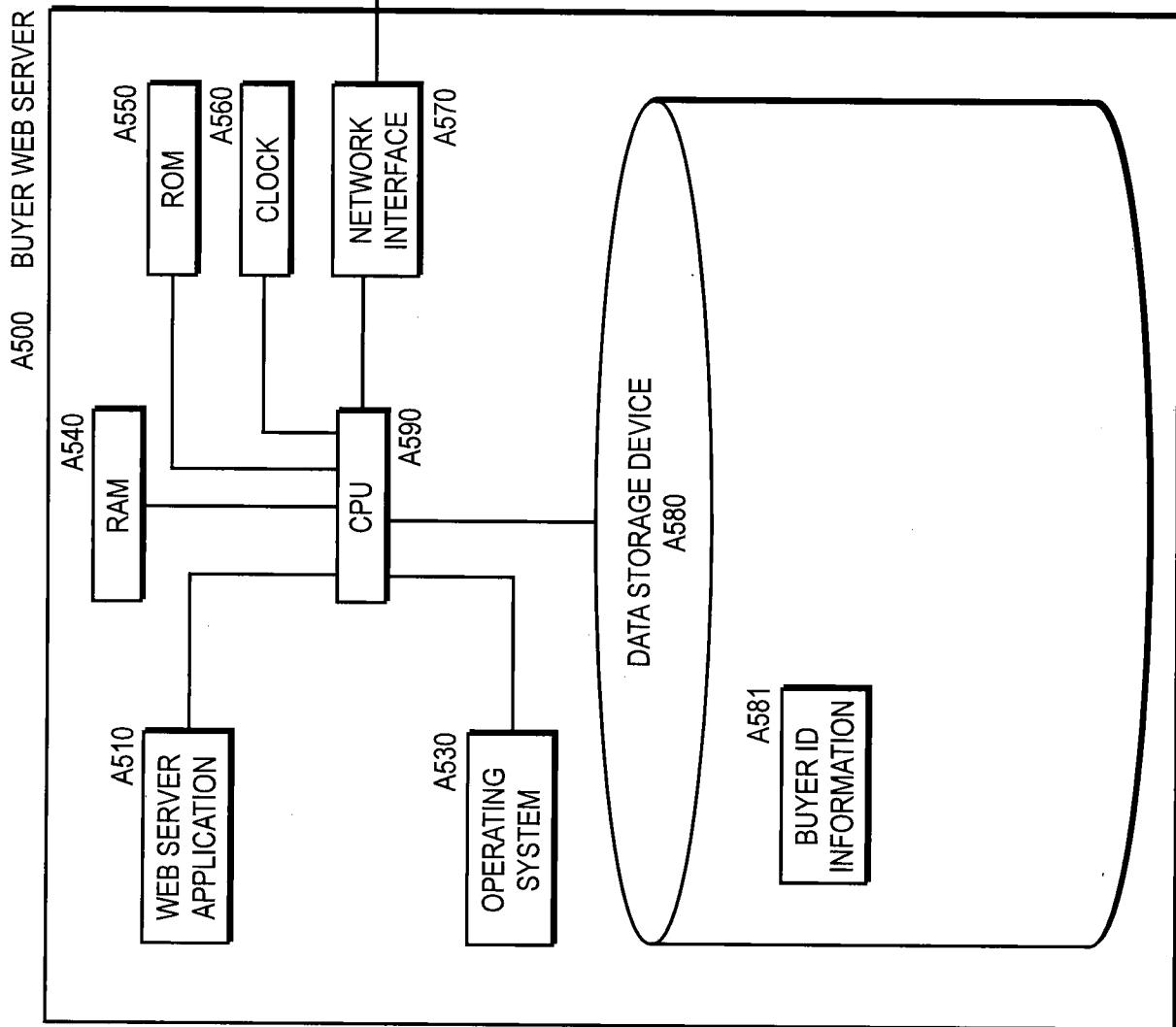


FIG. 7

REPLACEMENT SHEET

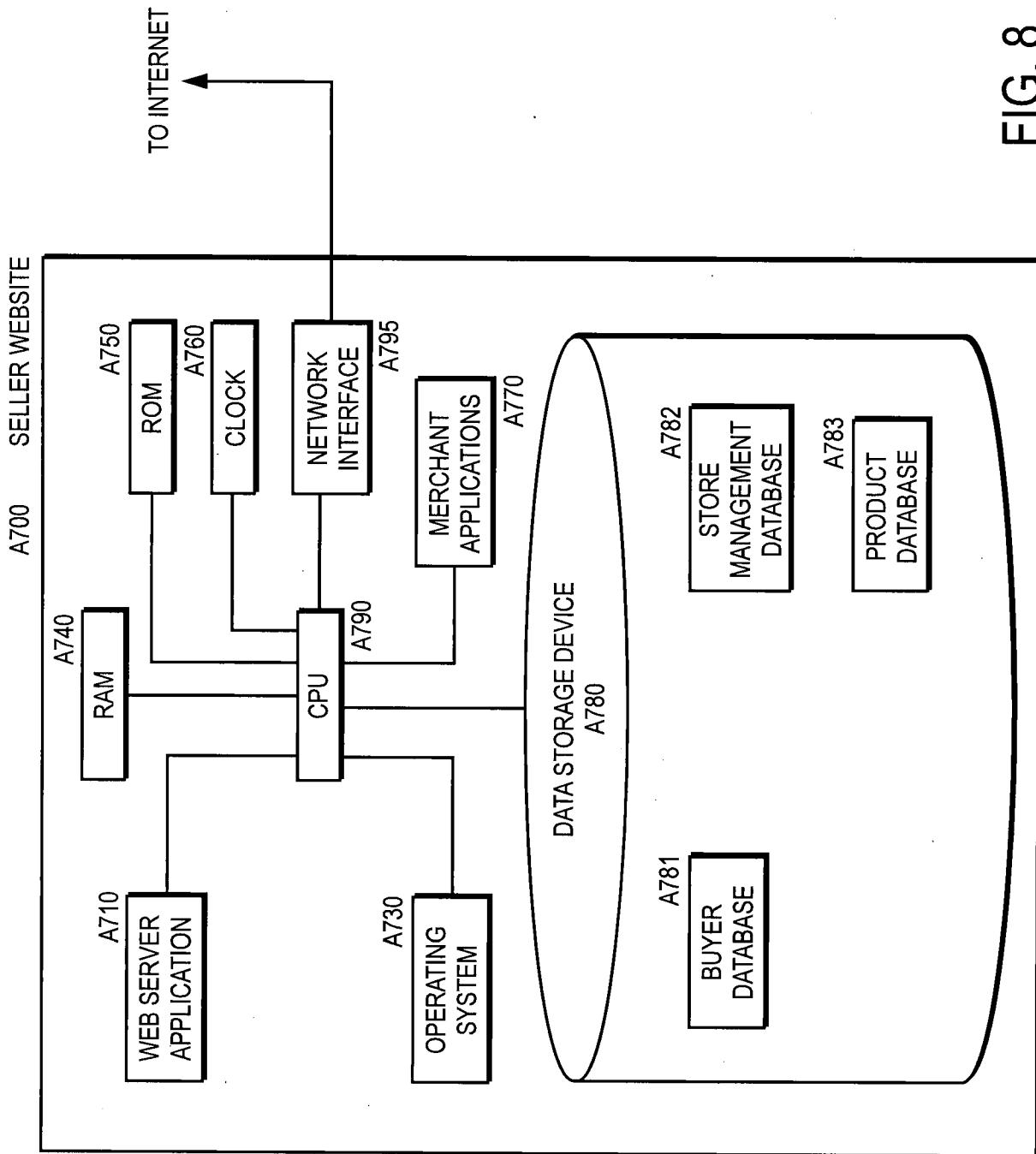


FIG. 8

REPLACEMENT SHEET

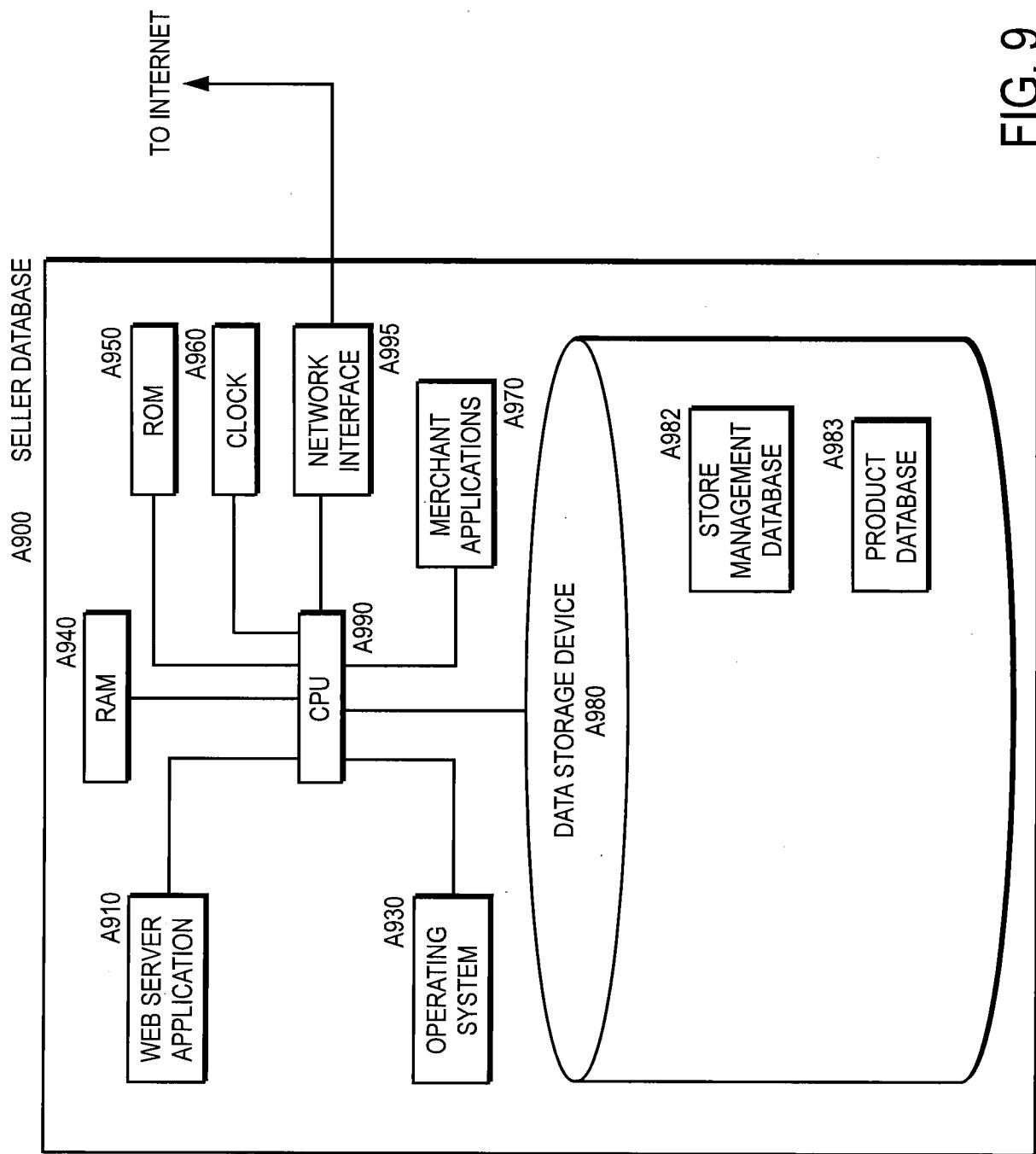


FIG. 9

REPLACEMENT SHEET

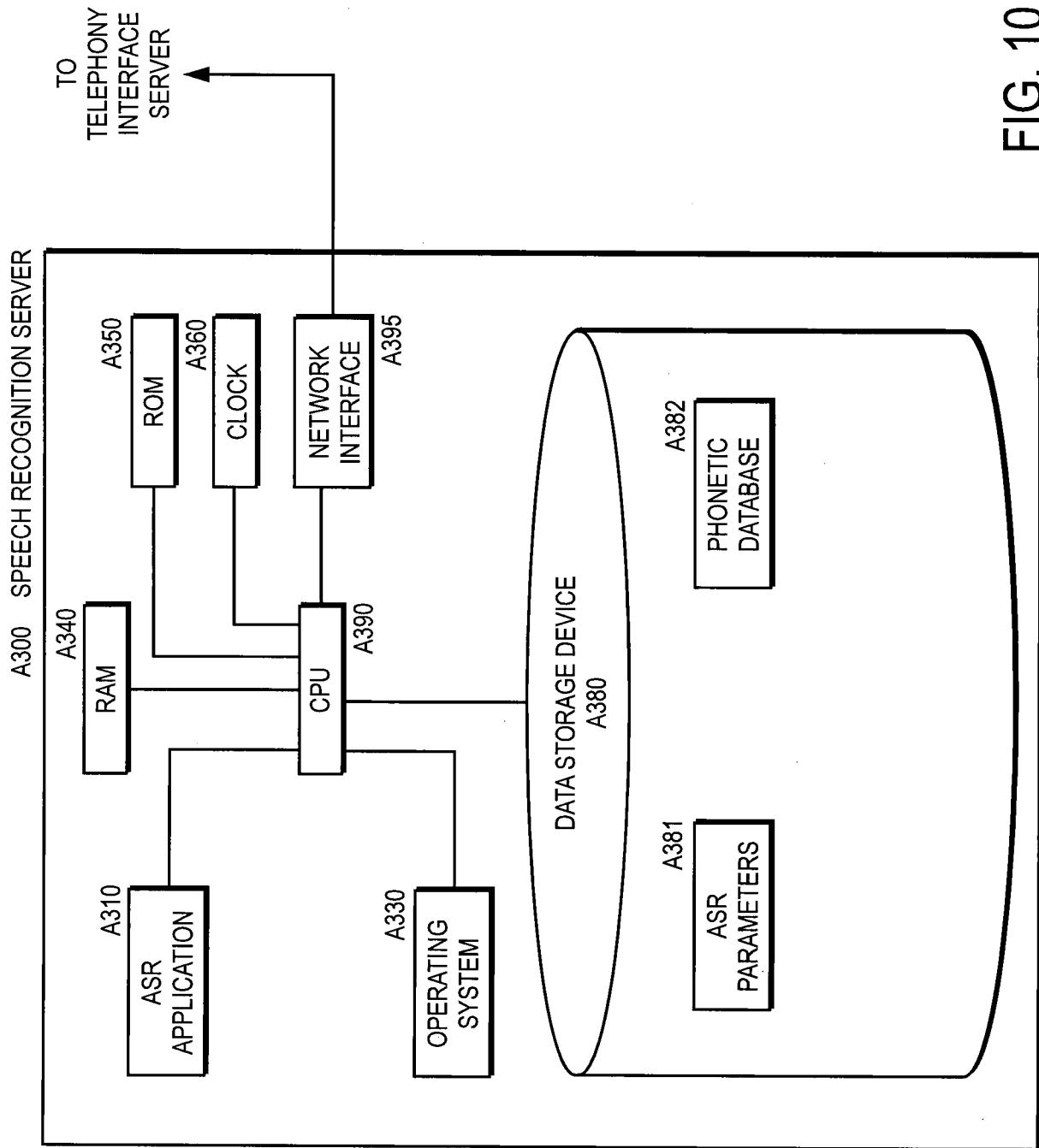


FIG. 10

REPLACEMENT SHEET

A600 HTML DATA INTERFACE METHOD SERVER

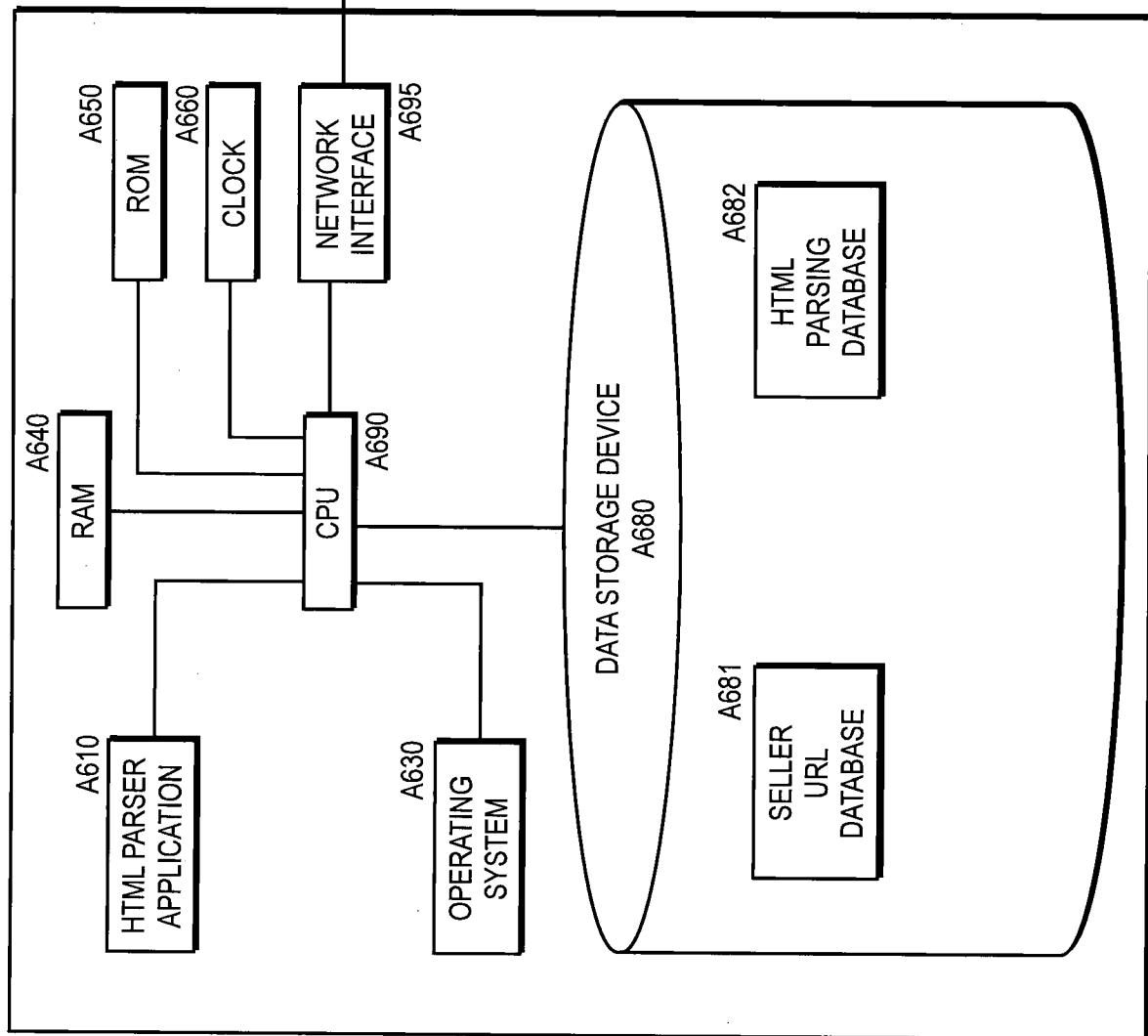


FIG. 11

REPLACEMENT SHEET

A1210 NATURAL LANGUAGE INTERPRETER SERVER

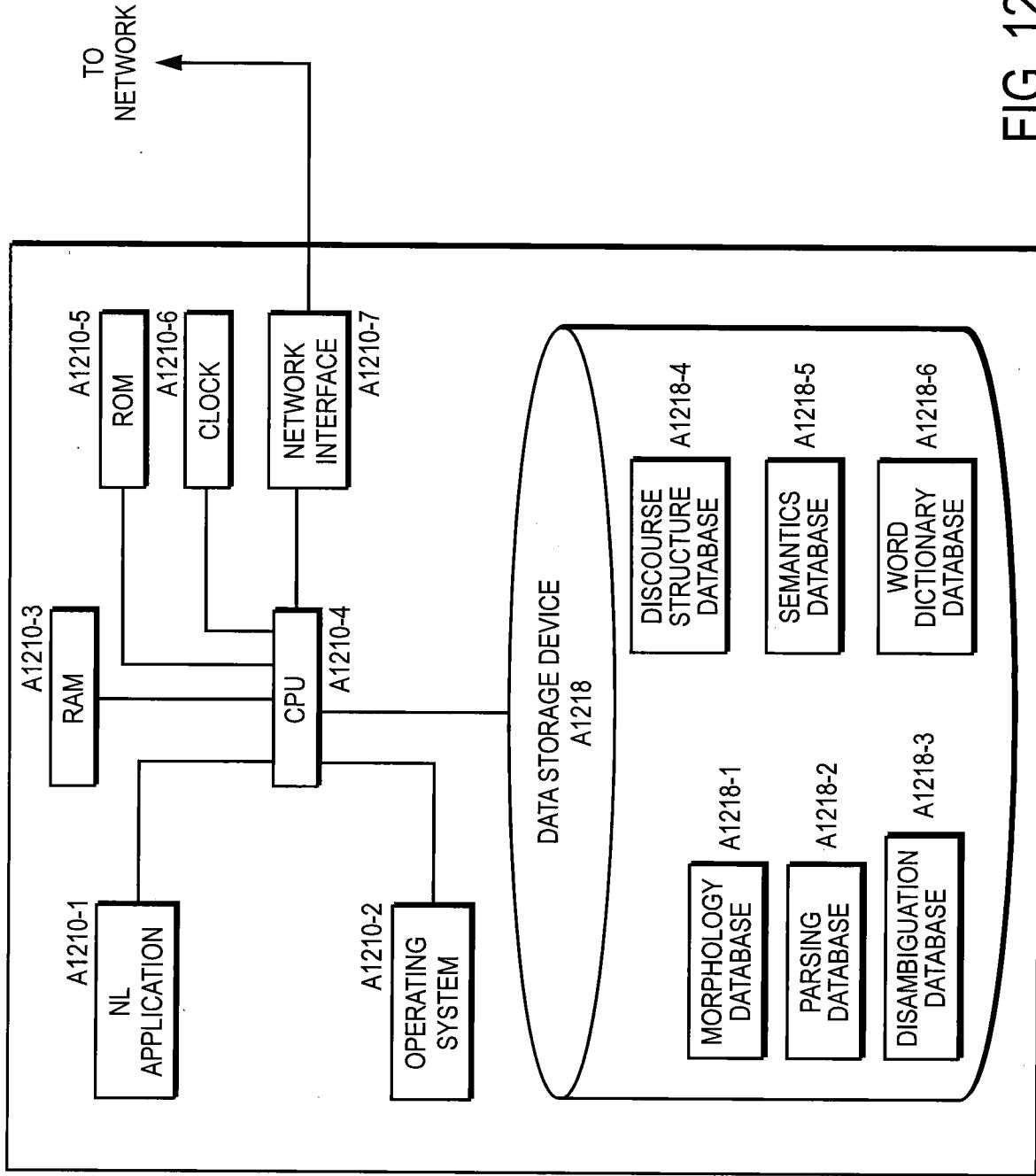


FIG. 12

REPLACEMENT SHEET

A1230 SHOPPING ENGINE SERVER

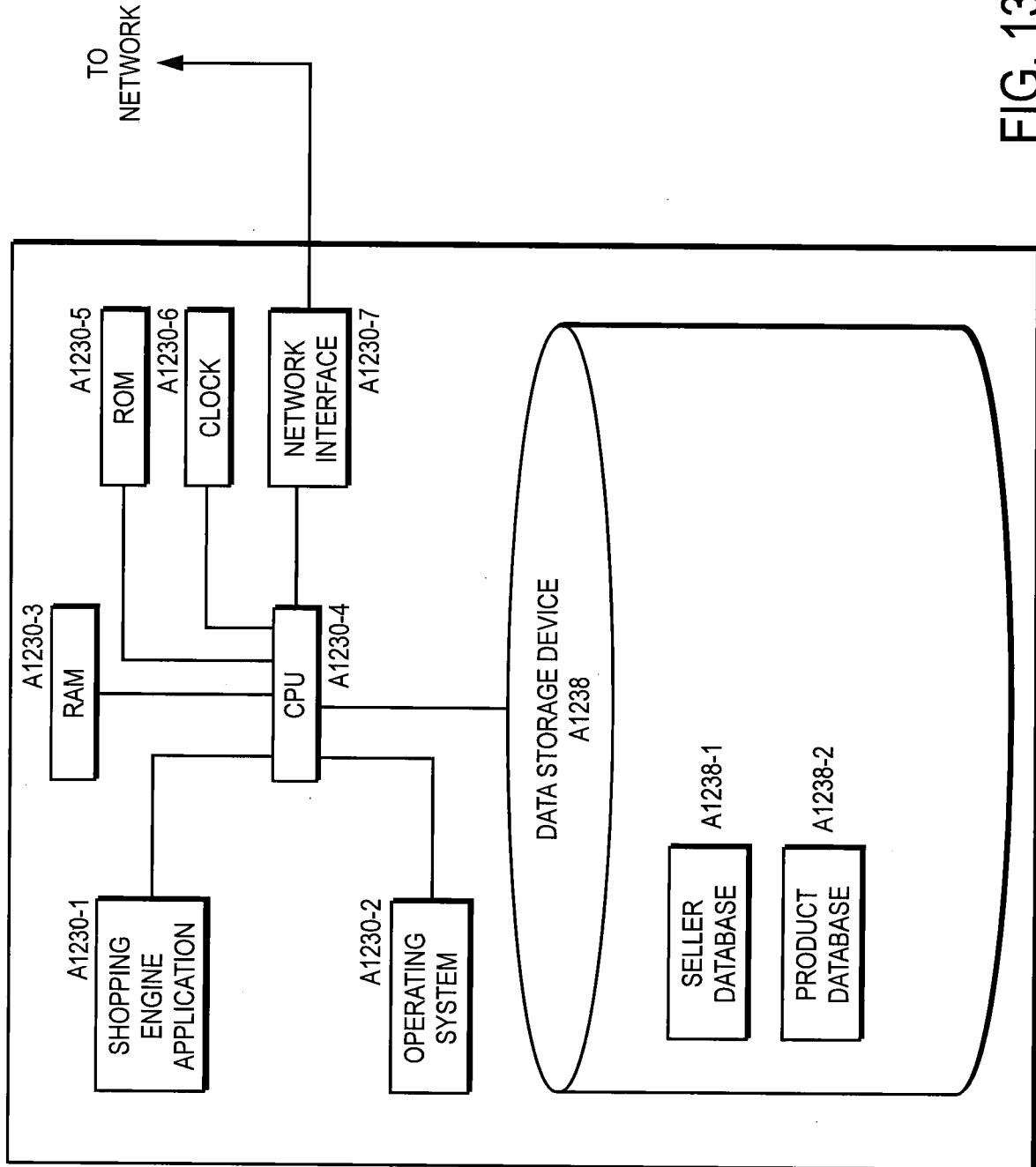


FIG. 13

REPLACEMENT SHEET

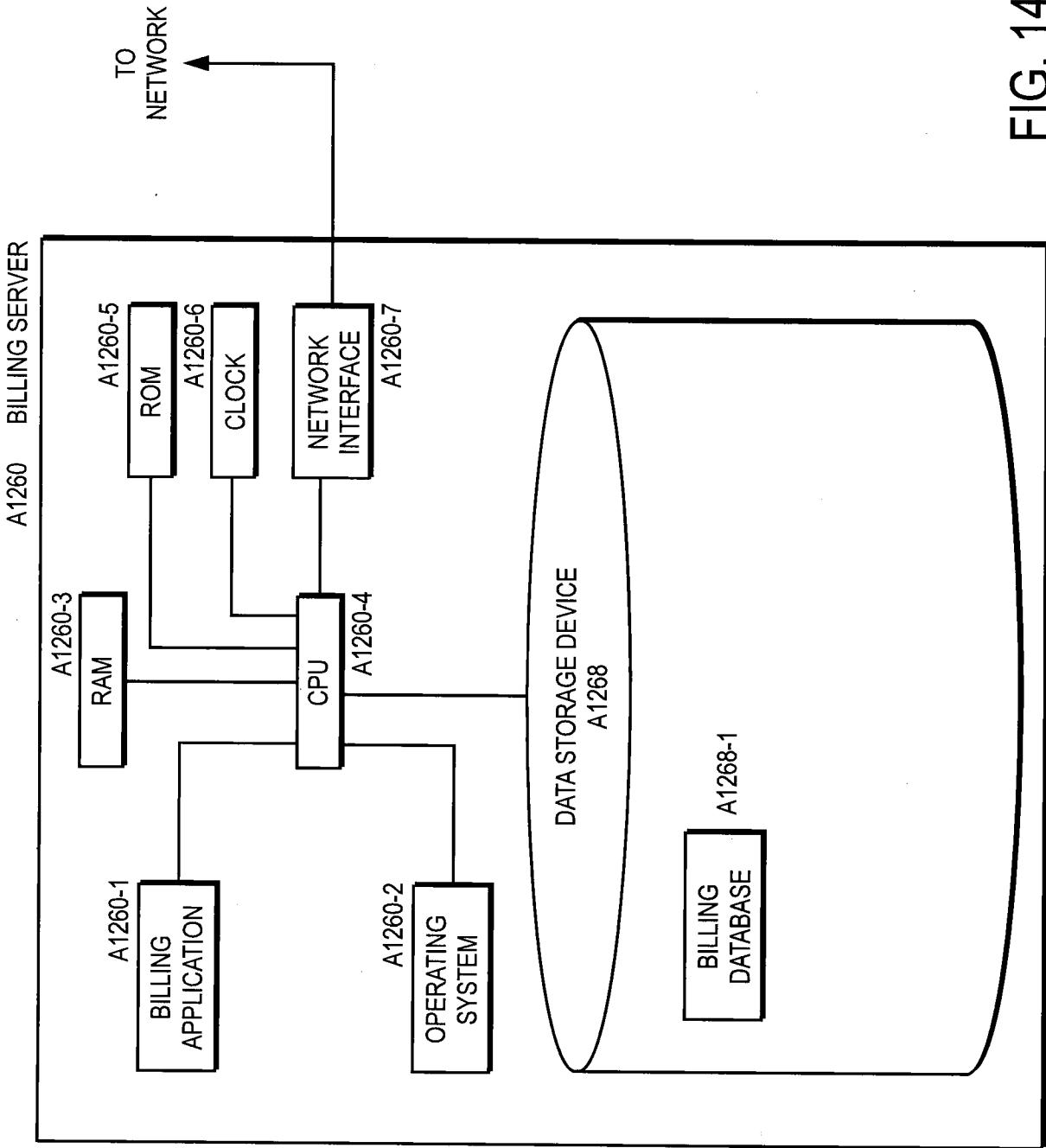


FIG. 14

REPLACEMENT SHEET

A1250 AUCTION ENGINE SERVER

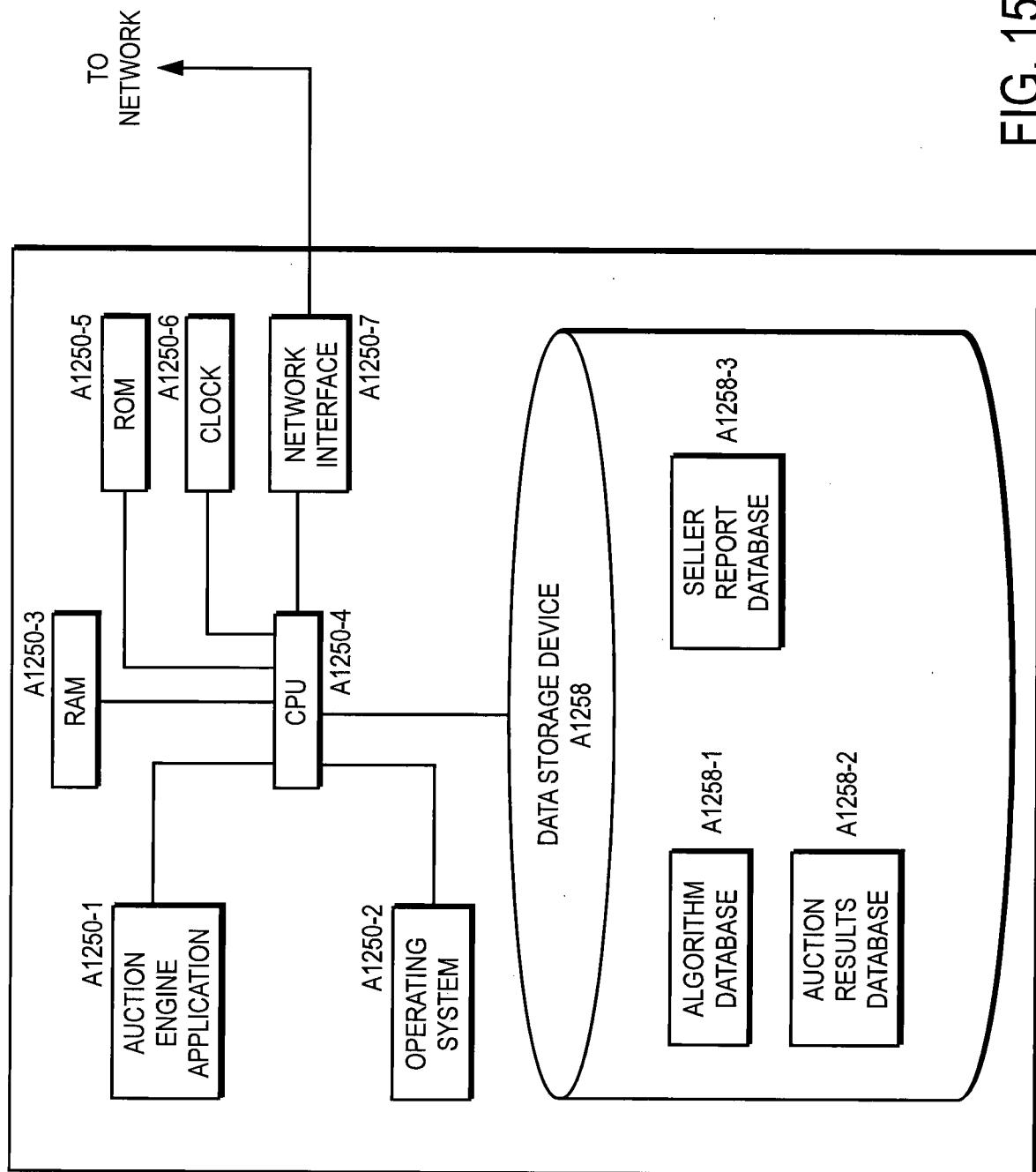


FIG. 15

REPLACEMENT SHEET

A1240 SELLER RULES SERVER

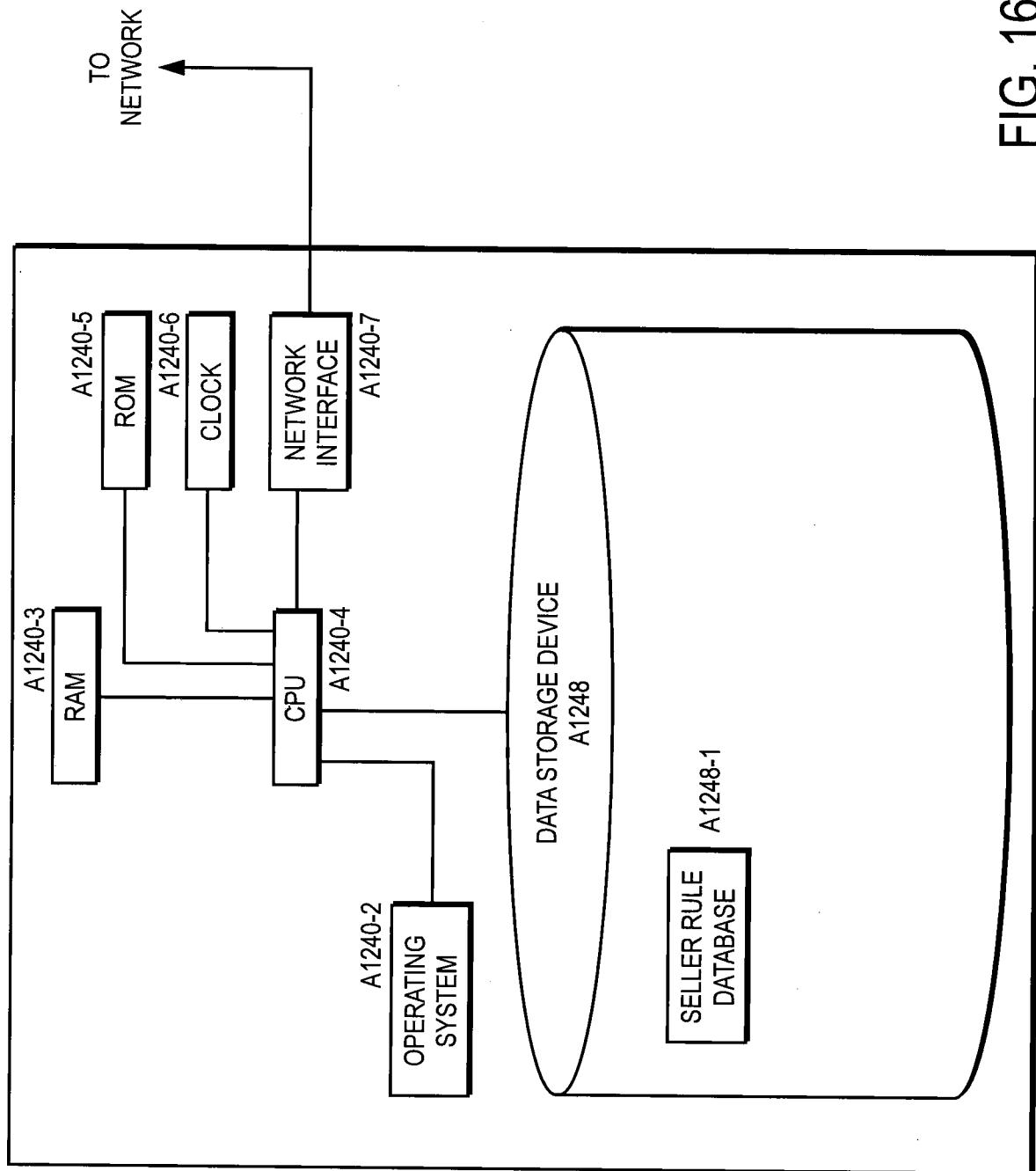


FIG. 16

REPLACEMENT SHEET

A1270 PRODUCT QUALIFIER DATABASE SERVER

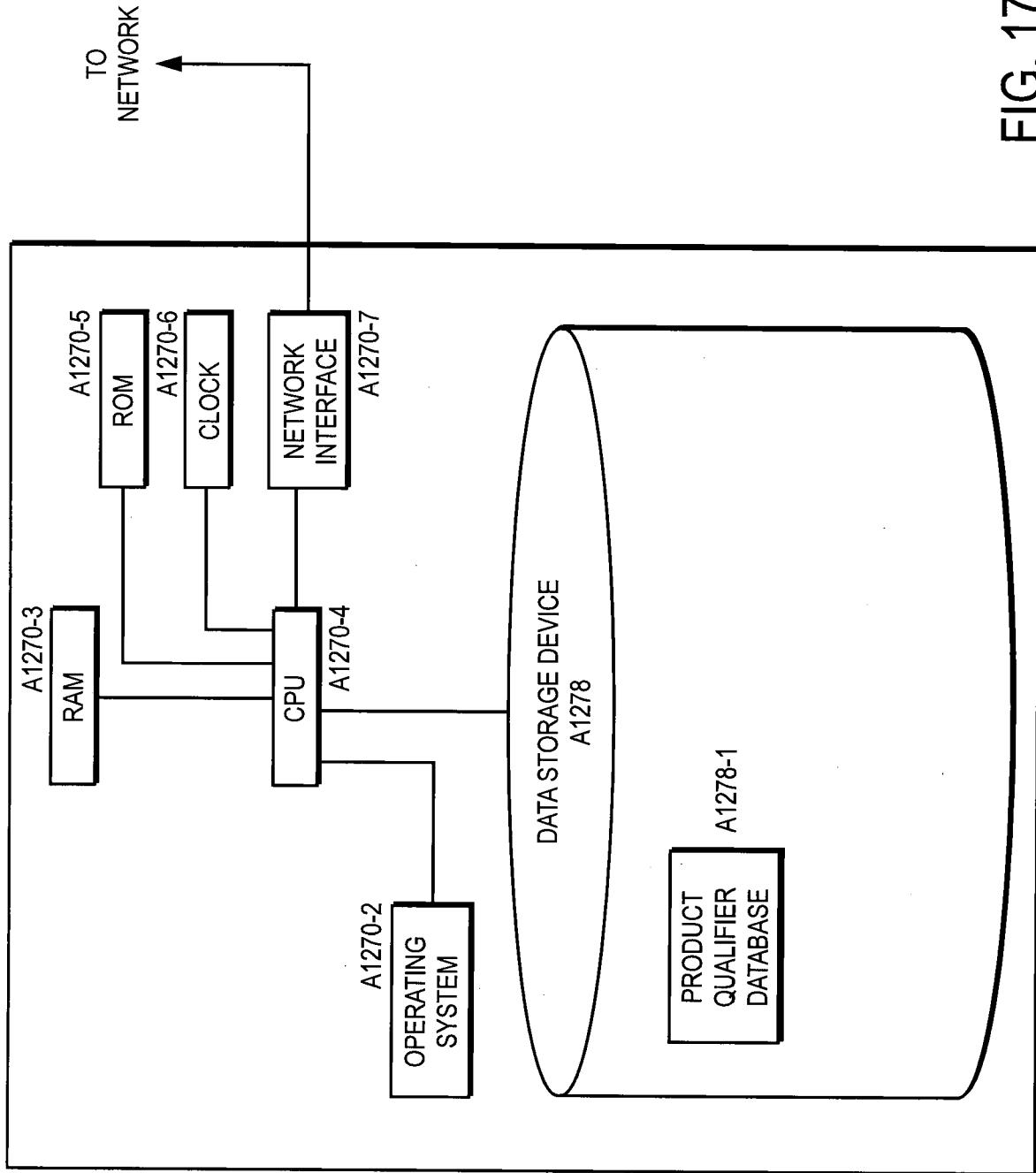


FIG. 17

REPLACEMENT SHEET

A1220 BUYER DATABASE SERVER

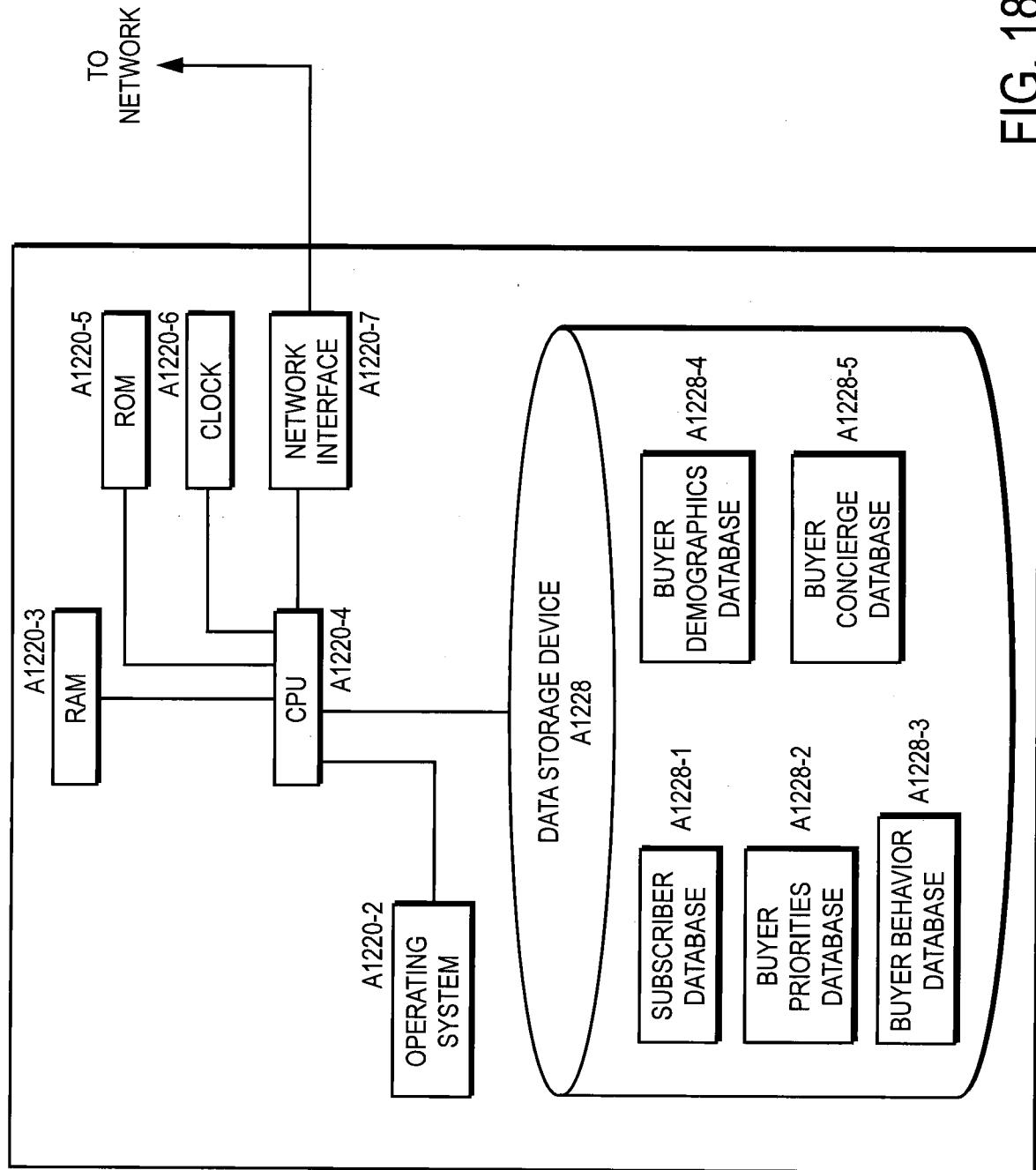


FIG. 18

REPLACEMENT SHEET

A800 DIRECT DATABASE ACCESS METHOD SERVER

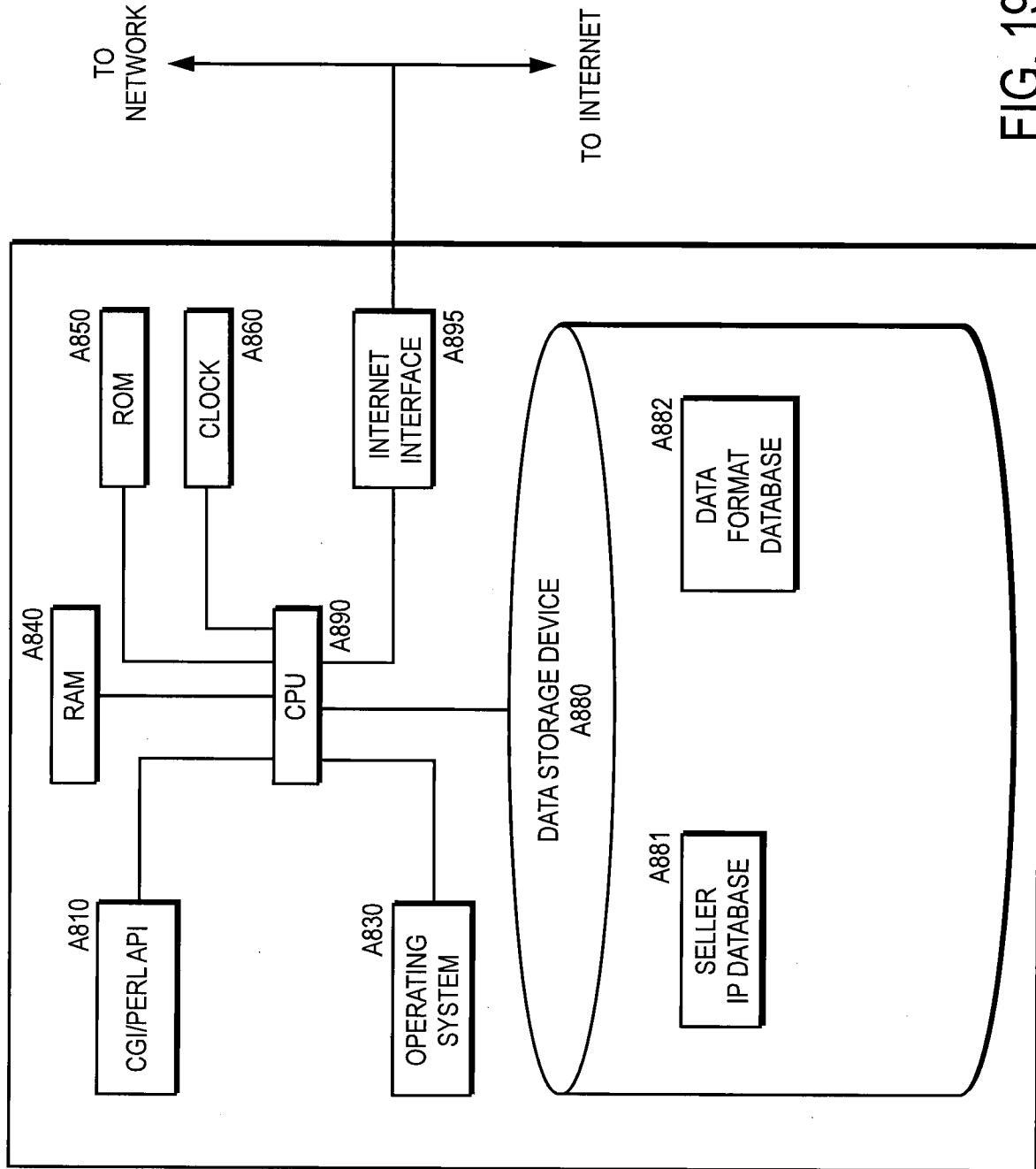


FIG. 19

REPLACEMENT SHEET

A1280 3RD PARTY DATABASE SERVER

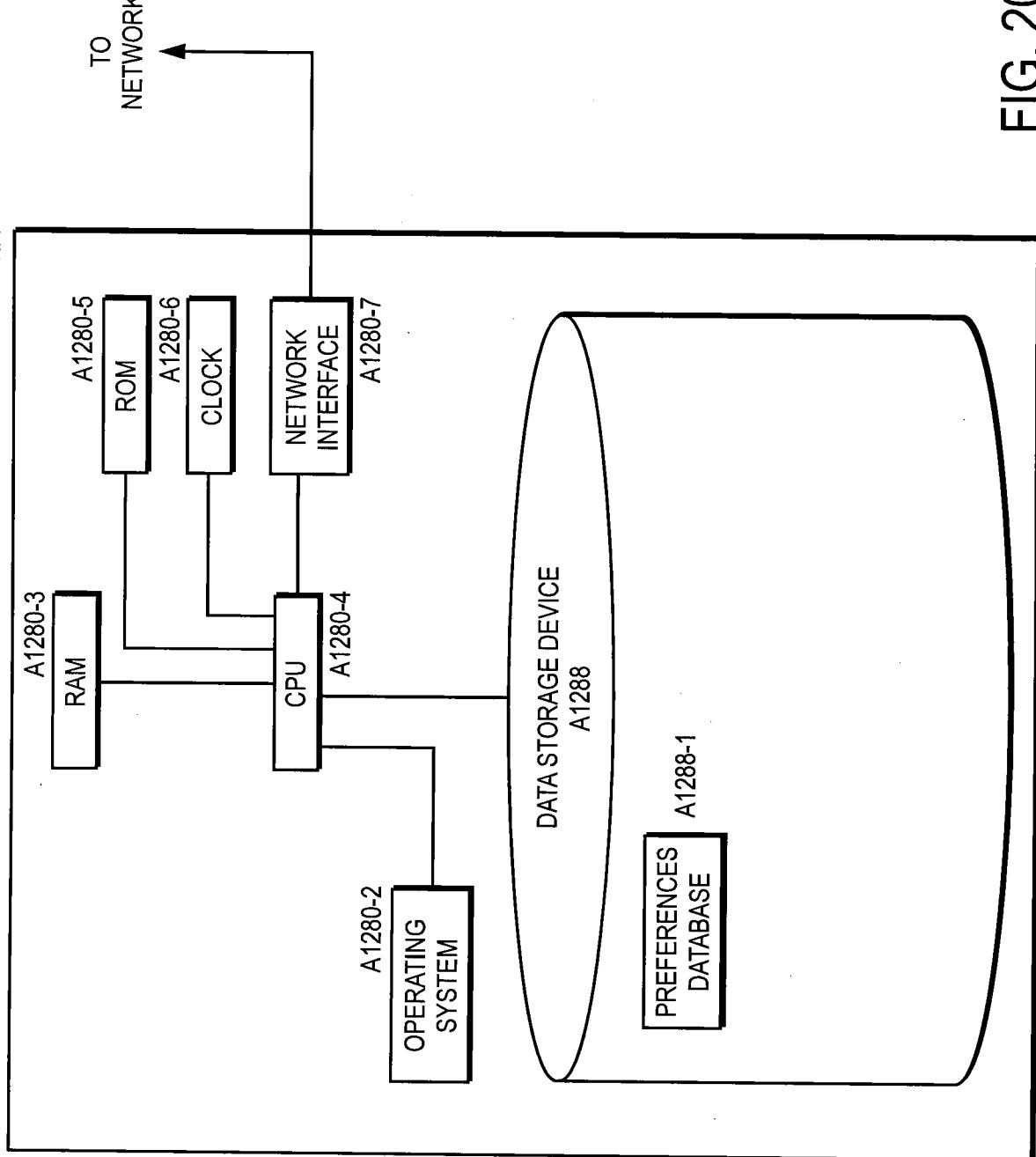


FIG. 20

REPLACEMENT SHEET

A1290 VALUE ADDED DATABASE SERVER

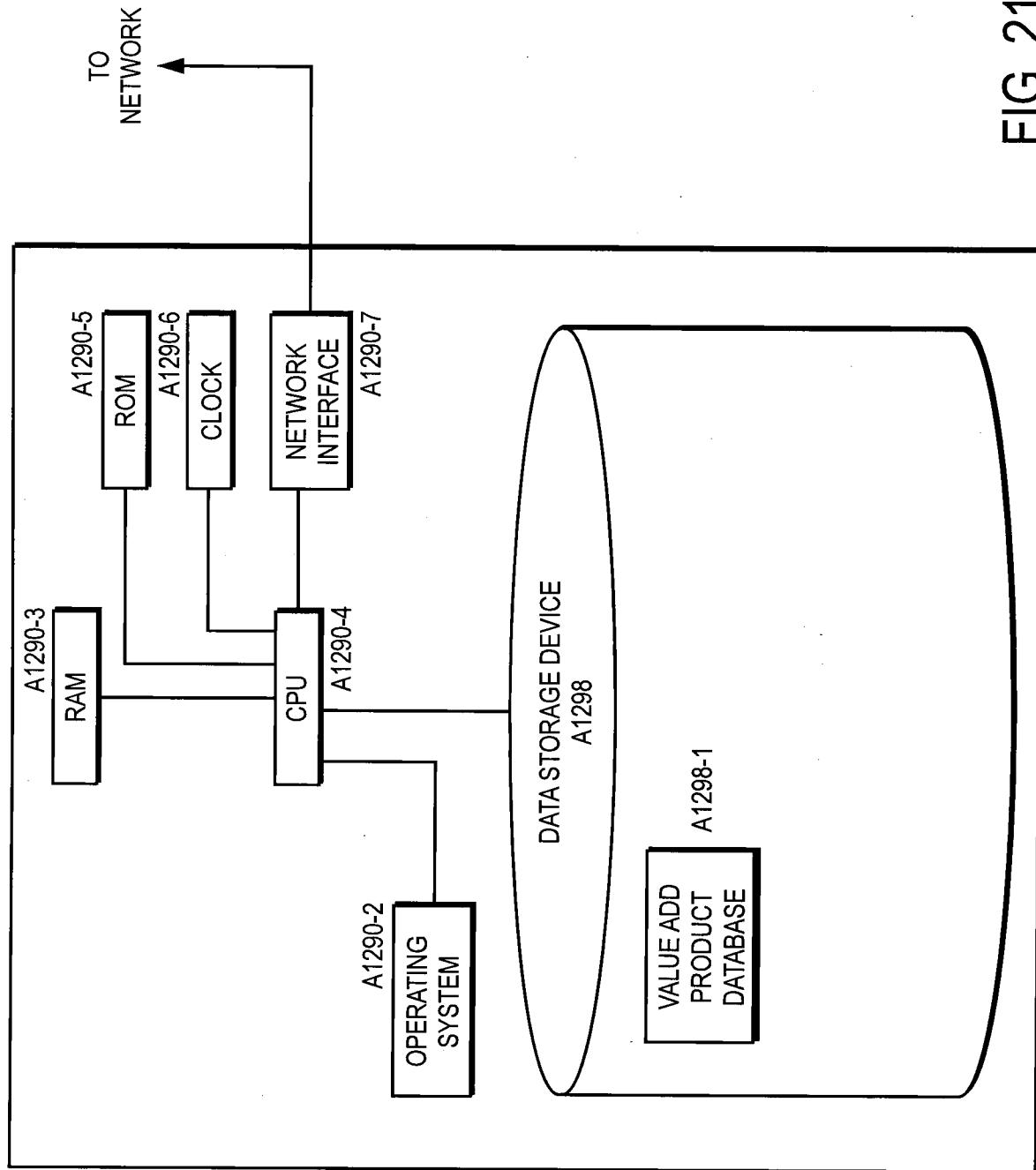


FIG. 21

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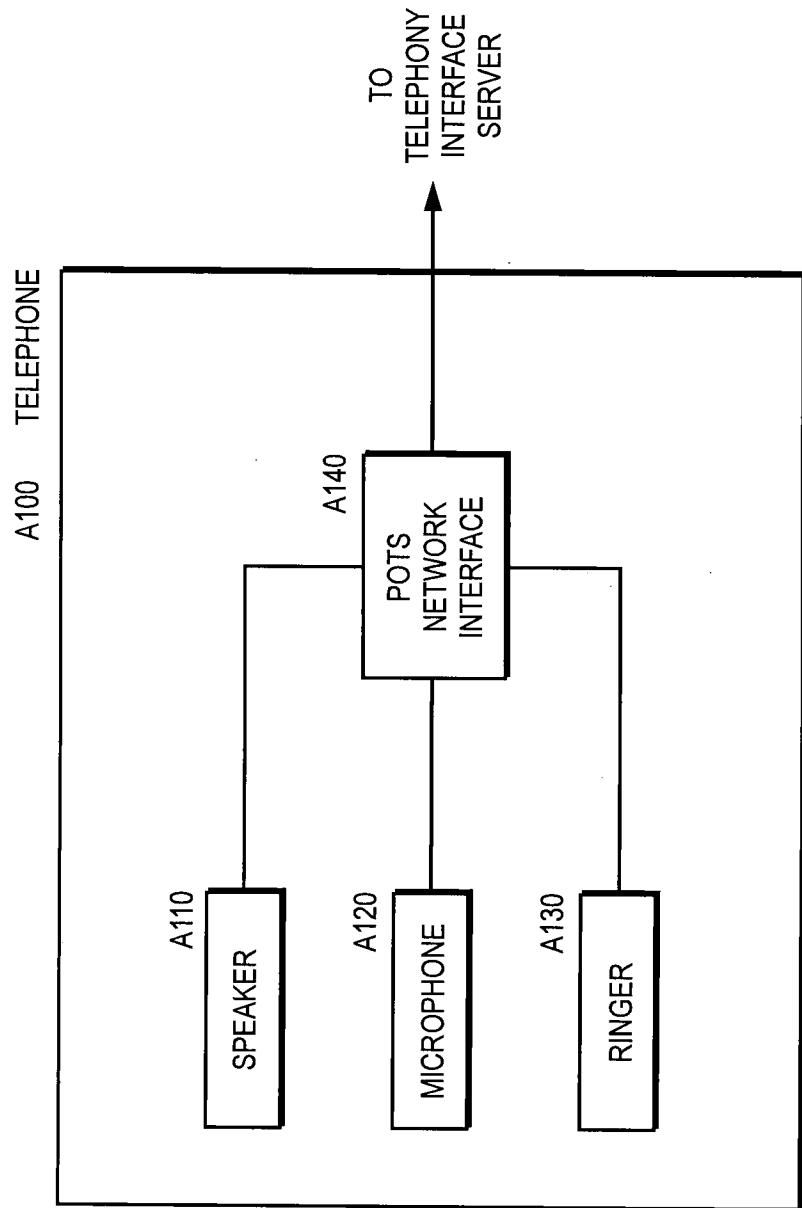


FIG. 22

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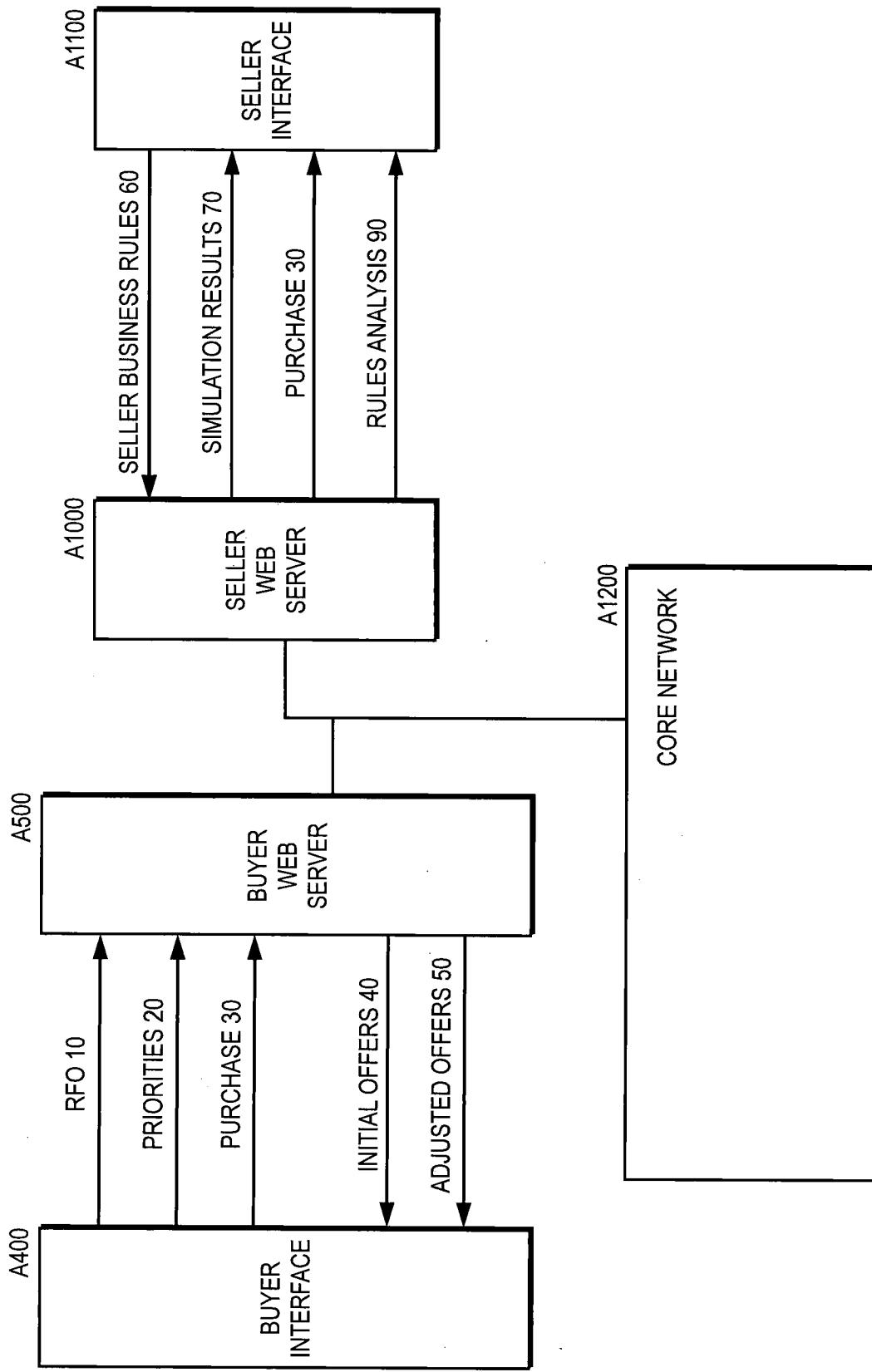


FIG. 23

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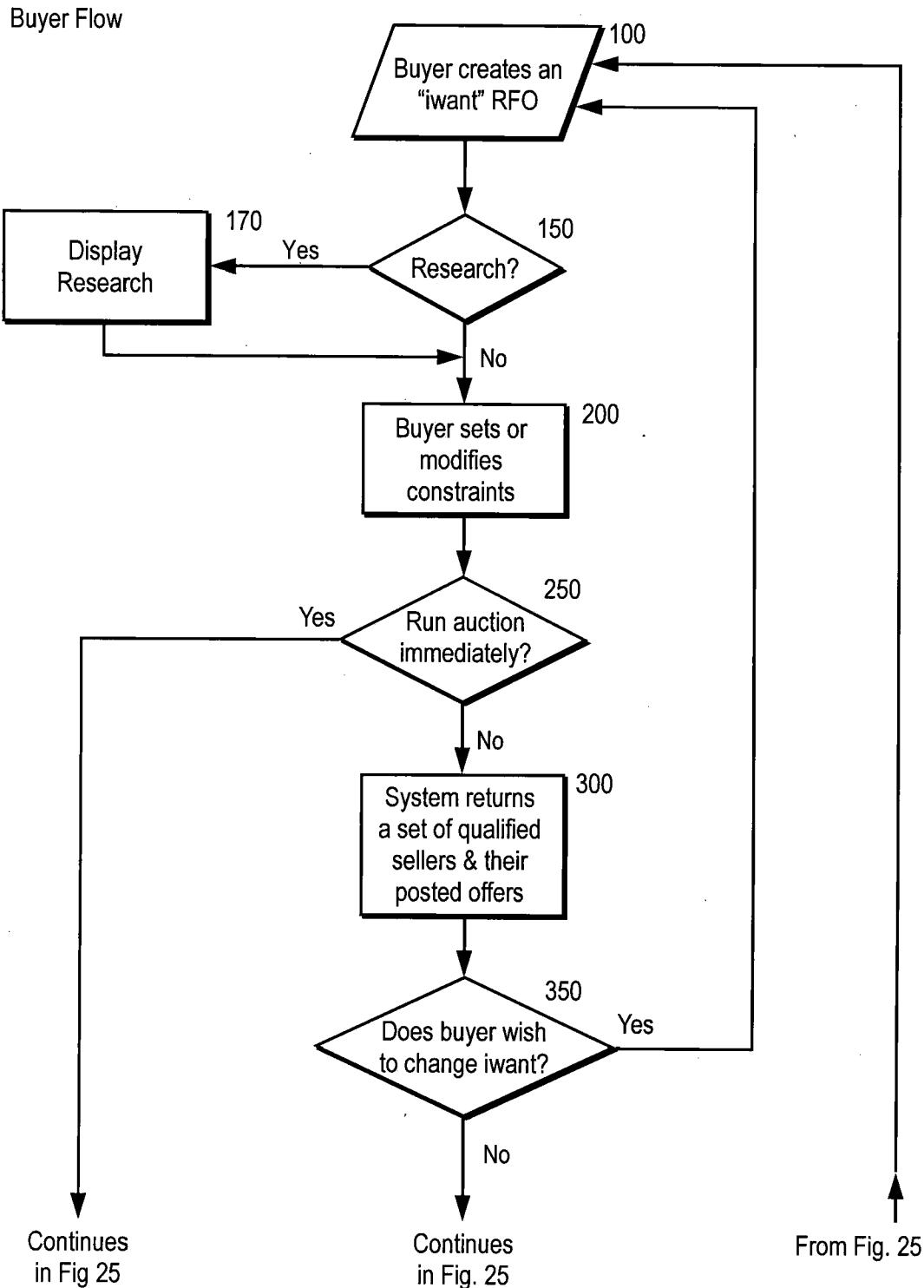


FIG. 24

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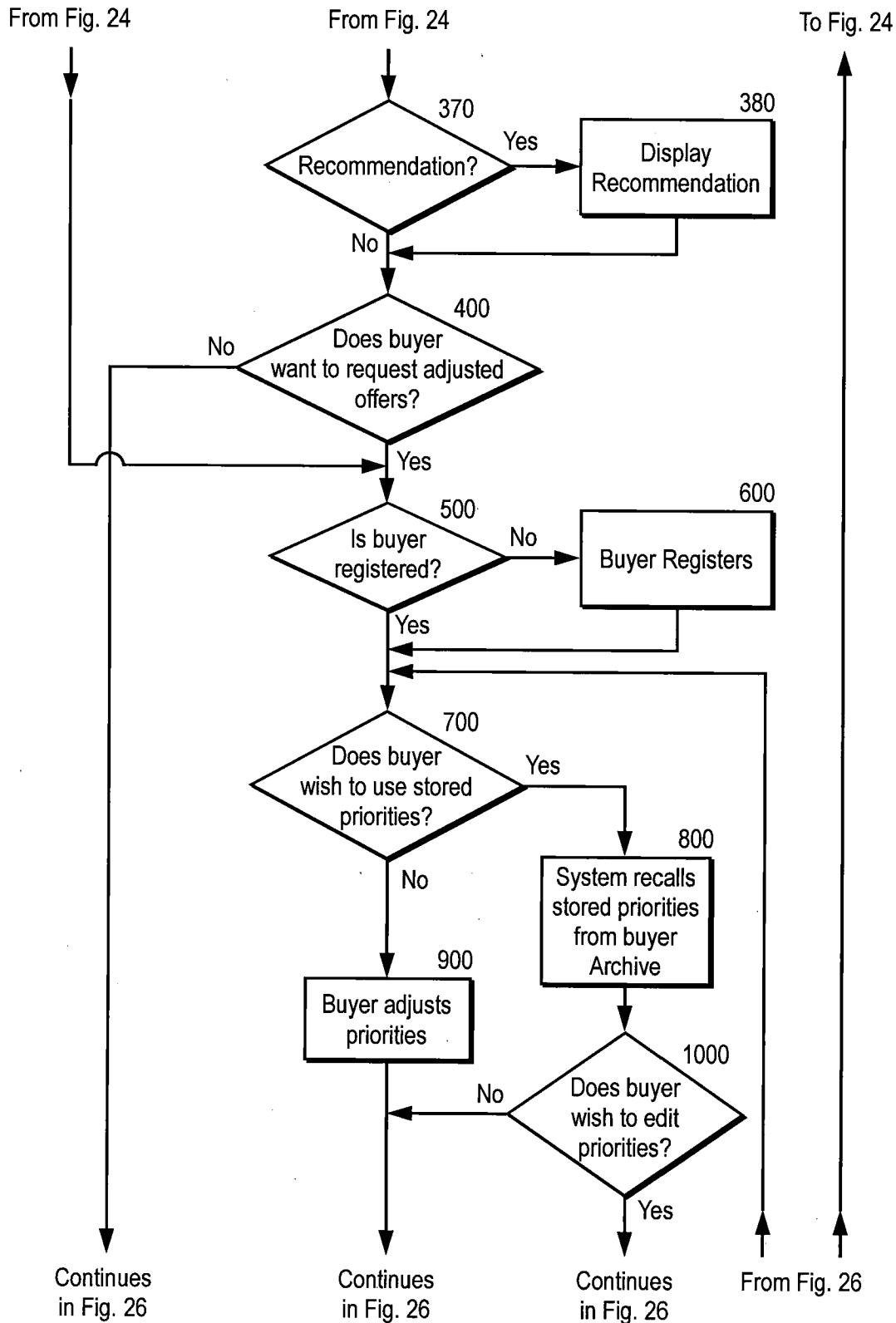


FIG. 25

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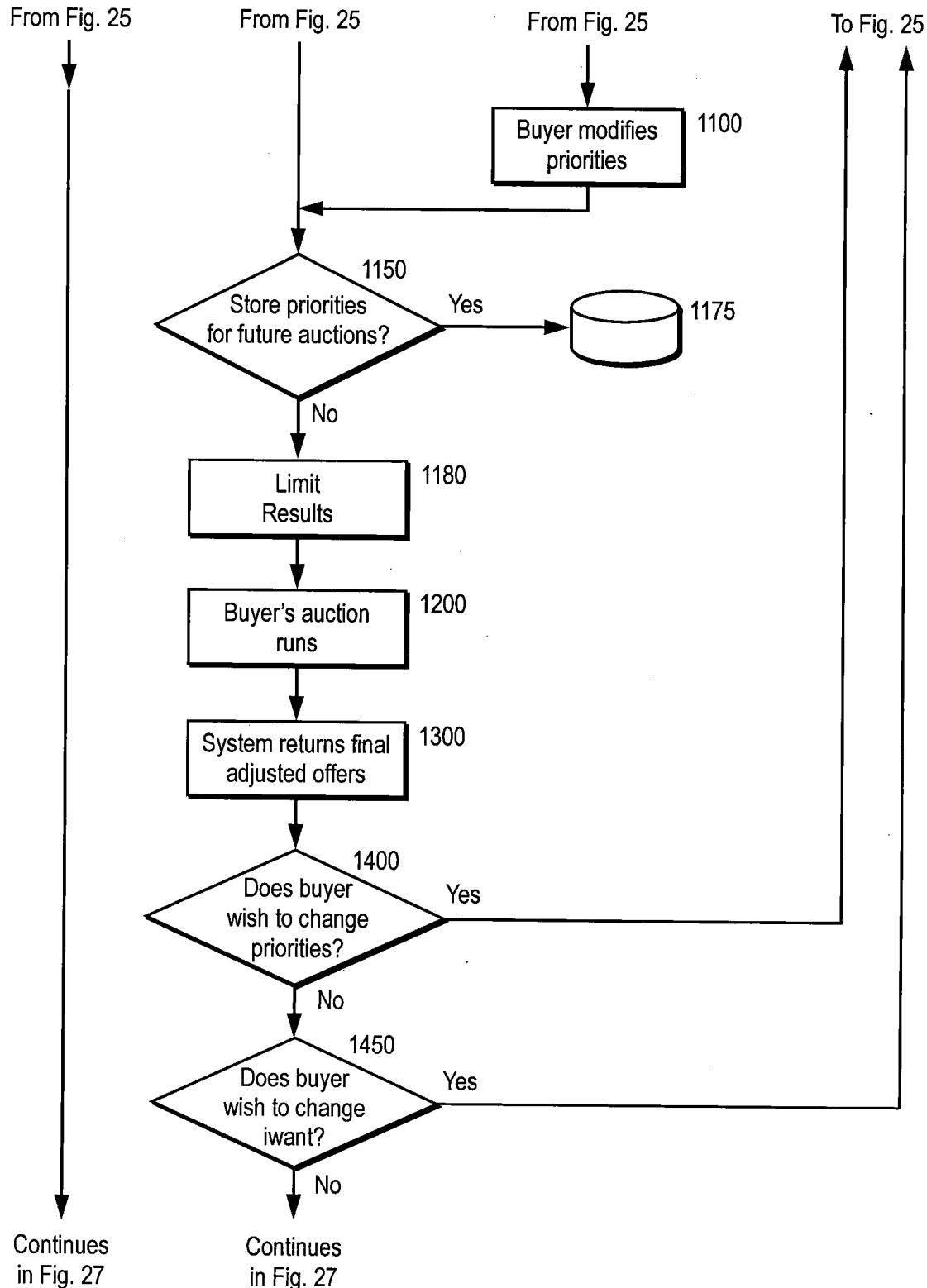


FIG. 26

REPLACEMENT SHEET

From Fig. 26

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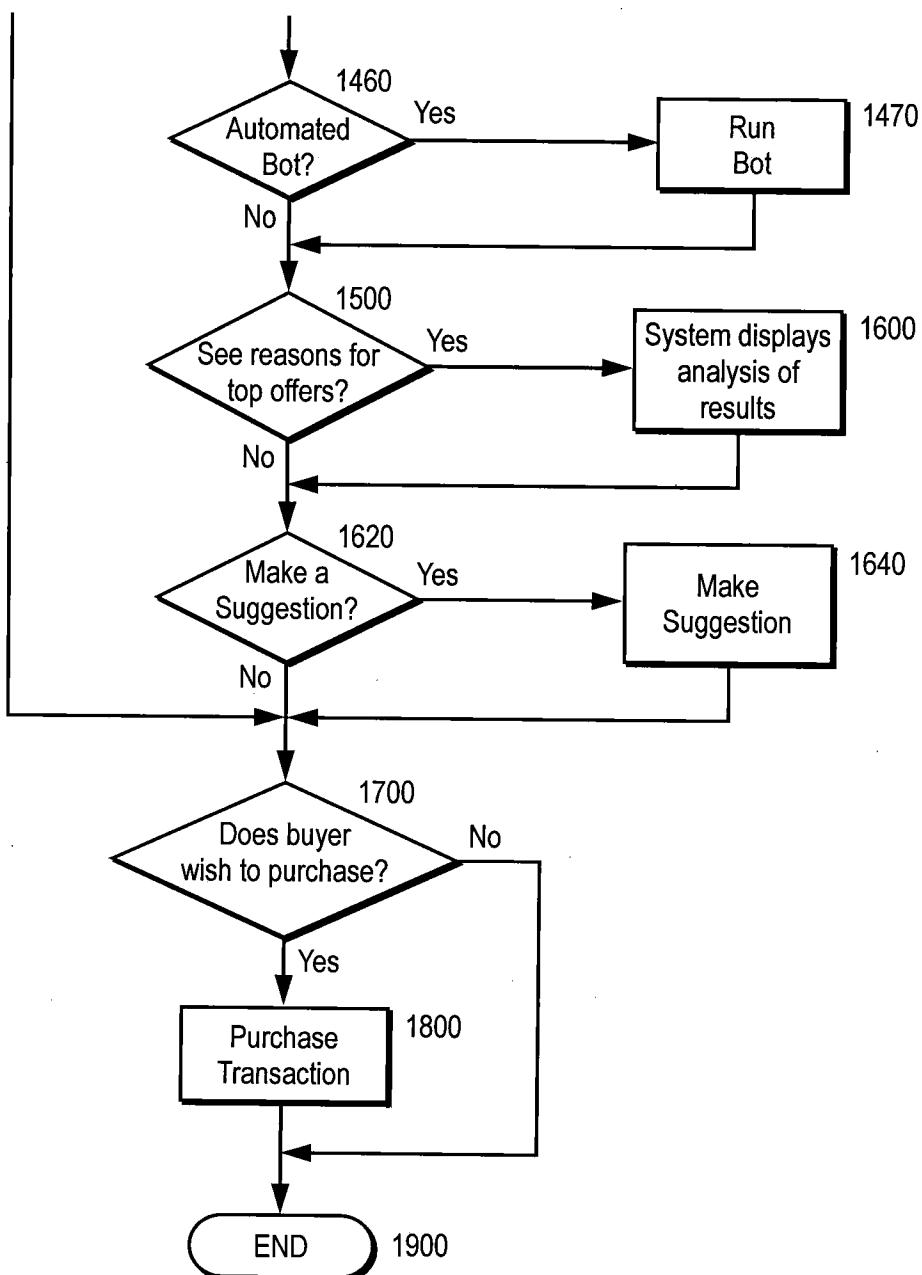


FIG. 27

REPLACEMENT SHEET

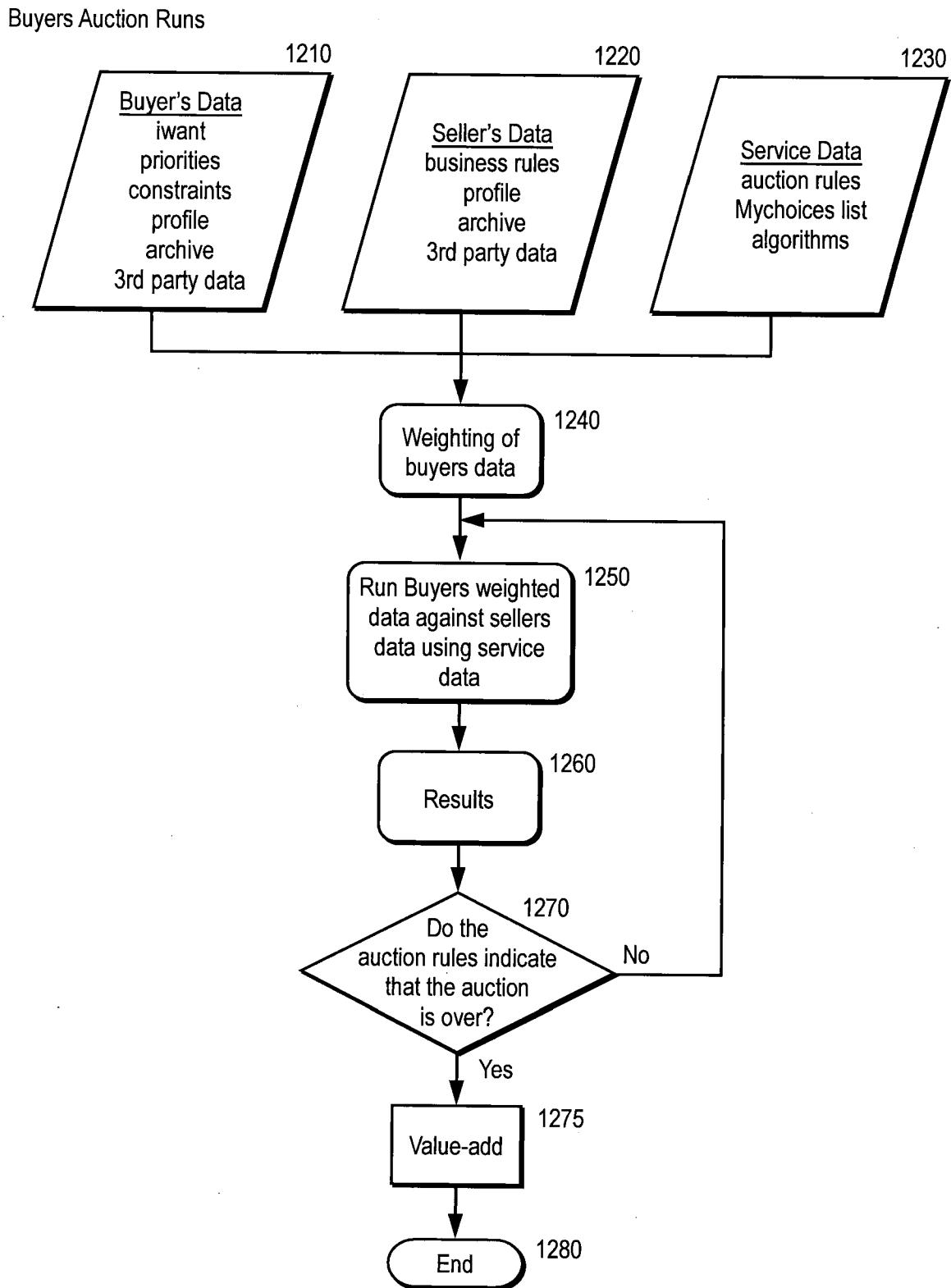


FIG. 28

REPLACEMENT SHEET

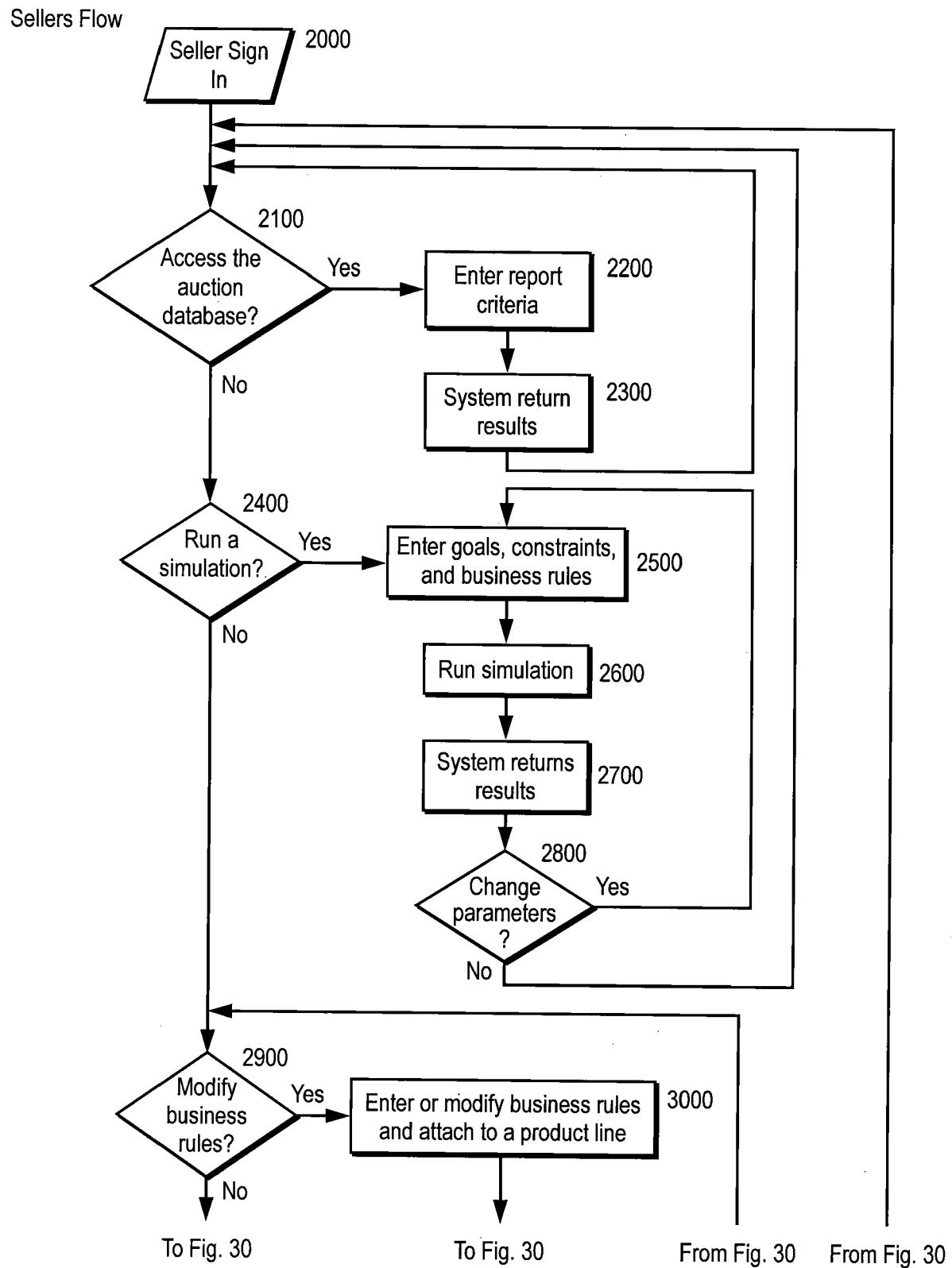


FIG. 29

REPLACEMENT SHEET

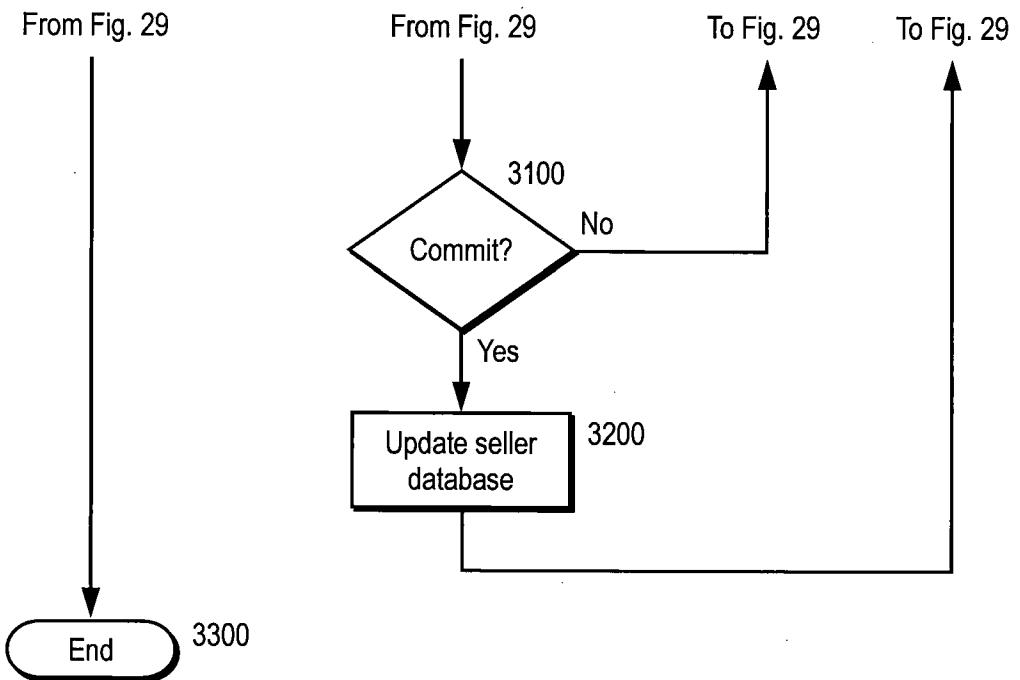


FIG. 30

REPLACEMENT SHEET

- The buyer perceives a need or a want for some goods or services. If the buyer could state her goals, she would say: I want to buy a (good or service), see all my choices, find the best value, ask for and receive personalized offers, enjoy the experience and not waste time or energy. The definition of a "buyer" includes: 1) a person; 2) a group of people; 3) a company; 4) a software process(bot); or 5) a buying group.
- The inquiry can be stated in natural language or using more structured form, such as pull-down menus. Data entry can be via almost any method, including keyboard or voice. The natural language user interface (UI) allows the buyer to use words and phrases in free-form manner. A semantic parser operates on the inquiry. This method - as compared to normal keyword search, pattern recognition and statistical inference - is extremely accurate and returns high relevance answers.
- The home page could be simple or it can contain various functions, e.g., (1) The buyer can learn about the market ("learn"); (2) she can set her goals or preferences ("set priorities"); (3) she can set constraints on the search ("look only"); (4) she can access her archive ("concierge"). His home page framework is extensible.
- This "I want to..." model can be extended to include business-to-business (B2B) applications; low end products, high end products; low end services and high end services. It can also be used to look for bundles of goods and services and consignment models.
- The standard navigation bar(vertical, left element) includes short-cuts for the buyer. An experienced "power user" might choose to go directly from an "I want" to "make me an offer." A less experienced buyer, or even an experienced buyer attempting to purchase something in a category new to her, might traverse the experience more methodically. In the latter case, a buyer might do the research, set the priorities, constrain her search, see her choices, and then decide to re-frame the "I want" entirely. This ability to iterate and cycle at will -- without being forced to do so -- allows each buyer to tailor the "I want" experience to their state of readiness to buy. The system allows each buyer to raise their own objections and then take whatever steps are necessary to consummate a transaction.

FIG. 31

REPLACEMENT SHEET

I want to...

learn

set priorities

look only...

launch bot

my choices

make me an offer!

buy it now

concierge

next

previous

site map

"learn"

Consumer Reports
[http://www.consumerreports.org/
Categories/YourHome/Reports/9606gr11.htm](http://www.consumerreports.org/Categories/YourHome/Reports/9606gr11.htm)
m#1bot

Compare ...

even heating

roasting

grilling

overall value

Top Five rated are...

Weber Genesis 1000

Weber Spirit 500

Ducane 1504SHLPE

Sunbeam Grillmaster HG850C

Kenmore 15875

Overall rating is based mainly on performance, convenience, and features. Heating evenness (with heat turned high or low) is most important when you cook for a crowd. Grilling scores reflect performance at low temperatures—necessary for chicken and fish, and for hamburgers after they've been seared. (All models grill well at high temperatures.) Roasting requires even lower temperatures for indirect heating. Grills scoring very good or excellent here are fine for both regular roasting (a turkey) and slow-roasting (ribs); grills scoring good are fine for regular roasting only; the other grills could be too hot for roasting. Scores for features, convenience versus sturdiness, shelf space, igniter, assembly, and details like utensil hooks.

- The service attacks five types of cost: (1) market intelligence; (2) search; (3) bargaining; (4) execution; and (5) integration. This screen shows one solution for attacking cost #1 - market intelligence.
- If the buyer asks for research and advice, in this embodiment she receives a summary of the key features and a recommendation of the top five rated products from a rating service (e.g., Consumer Reports). For deeper research a convenient one-button URL takes her directly to a page that contains a summary of all the product categories in Consumer Reports. A cookie brings her right back again.
- She can also access other sources of advice and product ratings, in this case three magazines. Many other sources of product and survey reviews can be used, including Guides.
- Initially, each data source will be accessed individually (as above). Over time, the various data sources can be merged into one master database by the iwanto.com editorial staff. Aggregating data is a convenience to the buyer.
- This research and advice framework ("learn") is extensible. As new sources of expertise , data and advice become available electronically, they can be integrated into this framework.

FIG. 32

REPLACEMENT SHEET

U300 "my priorities"

I want to...

learn

priority

look only...

launch bot

my choices

make me an offer!

buy it now

concierge

next

previous

site map

my priorities	very important	not important
Price shipping & handling, tax	<input type="range" value="50"/>	↑
Product ratings by customers, expert	<input type="range" value="50"/>	↑
Warranty time, cost of extension	<input type="range" value="50"/>	↑
Financing no-payment period, interest	<input type="range" value="50"/>	↑
Delivery availability, when delivered	<input type="range" value="50"/>	↑
Popularity site traffic, market share	<input type="range" value="50"/>	↑
Air miles	<input type="range" value="50"/>	↑

 ↓

- A buyer's decision is influenced by many variables. Using this interface, the buyer is able to express what is important to her – the trade-offs that she implicitly makes in effecting a purchase. The "my priorities" tool helps her articulate those goals, and their relative importance, using an "analog" interface such as sliders. An algorithm running under this model assigns different weightings to each variables. Those weighting factors can be weighted: (1) solely by the buyer's settings, i.e. deterministic; (2) and/or a weighted average of the buyer's ratings and the ratings of a peer group; or (3) by the weightings of a demographic model derived from large-scale anonymous consumer databases that identify large-sample preferences.
- The buyer has a choice of creating her "my priorities" one time (global); or tuning it differently for each inquiry; or 3) tuning it at anytime during a Round. The buyer also has a choice of touching a default button ("use standard settings") that defaults into them (2) or (3) above.
- The buyer can have a choice of settings for how much automation is provided by the system. The simplest form "decide for me", lets the system set all defaults based on its archival information; the next level, "normal". presents a simple, minimal set of choices for the buyer. The top level, "advanced", lets the buyer carefully constrain the "iwanto" experience.
- This framework for setting buyer preferences, goals and priorities and the tradeoffs between them is fully extensible. In the future, other interesting methods of expressing tradeoffs can be implemented.
- In this illustration, the buyer for this specific round is interested in financing, extended warranty, fast delivery and air miles. She is not as concerned about price, site popularity or product rating. The same buyer might try any number of preferences until she converges on (understands and accepts) her utility function.

FIG. 33

REPLACEMENT SHEET

U310 buyer's level of expertise

I want to...

learn
priority
look only...
launch bot
my choices
make me an offer!
buy it now
concierge

next
previous
site map

What I usually do ...

What my peer group does...

decide for me normal advanced

- This is an illustration of the simplest level, "decide for me". The buyer might be uncertain of her priorities. The service provides several assistants:
- Do what I usually do, not necessarily what I say. Based on recent buying behavior, the buyer might believe that she is price conscious, but in fact is more sensitive to changes in financing or warranty. This button "snaps" the settings to reflect her actual behavior.
- Do what my peer group does. The service has a filter to "snap" the buyer's settings to the median of her peer group. The definition of a peer group could be macro (large number population) or specific, e.g., people who live in one city, or people who pursue a combination of one sport (skiing) and are also single and also have graduated college.
- This framework for using system-set defaults is fully extensible. Underlying each level is an algorithm, which can be simple (linear) to complex (quadratic, or even based on a linear optimization model). New algorithms for setting user defaults can be introduced at any time.

FIG. 34

REPLACEMENT SHEET

U400 "look only ..." (constrained search)

<p>I want to...</p> <p><u>learn</u></p> <p><u>priority</u></p> <p><u>look only...</u></p> <p><u>launch bot</u></p> <p><u>my choices</u></p> <p><u>make me an offer!</u></p> <p><u>buy it now</u></p> <p><u>concierge</u></p> <p><u>next</u></p> <p><u>previous</u></p> <p><u>site map</u></p>	<p>location look ...</p> <p>Only locally within 15 miles</p> <p>✓ USA only</p> <p>Whole world</p> <p>normal advanced</p>	<p>product quality look ...</p> <p>✓ only for products rated by Consumer Reports.</p> <p>Only at the top ten rated products</p> <p>Only for products with reviews by leading magazines.</p> <p>Only for things I specified by name and model.</p> <p>No more than my maximum price of \$_____</p> <p>✓ Suggest alternatives.</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- This is an illustration of the "advanced" setting. "Look" is an extensible framework. It delimits the search in any number of interesting ways. For example, the buyer can decide how broadly she wants to look for sellers. If the buyer intends to visit a real store to see the product before purchase, she can ask for "local" only, or within X miles; or by state or region; or worldwide.
- Other choices for constrained searches are also possible. For illustration: (1) only my "favorite" merchants; (2) only products that are rated by Consumer's Reports, etc. The easiest choices are within a few miles of home (80% of all purchases). The "USA" option can be aware of shipping costs and set to take advantage of no sales taxes in certain states. Or, the buyer can constrain the search to only those products reviewed by an expert (e.g., a leading magazine, an authoritative person, a peer group evaluation). Or, the buyer can constrain the search to certain product characteristics, e.g., a price range.
- Further the buyer can ask for product suggestions and alternatives. This presents significant upsell opportunities to sellers. The service is different than price comparison services because it diminishes the emphasis on direct price competition. Instead, it focuses the dialogue between buyer and seller on the qualitative aspects of the transaction.

FIG. 35

REPLACEMENT SHEET

U410 "look only ..." (cont.)

I want to...

[learn](#)

[priority](#)

[look only...](#)

[launch bot](#)

[my choices](#)

[make me an offer!](#)

[buy it now](#)

[concierge](#)

[next](#)

[previous](#)

[site map](#)

e-merchant quality look ...

Only for sellers accredited by Bizrate.

Only for sellers that I've bought from in the past.

Only sellers that have a return policy.

Only sellers that guarantee shipment within one day.

Only sellers that offer air miles.

[normal](#)

[advanced](#)

where can i see it ...

nearest store
([name](#), [address](#), [phone](#), [map](#))

- This is a continuation of the "advanced" setting.
- In addition to product quality, the buyer can also constrain or limit searches based on e-merchant quality. For illustration: (1) only sellers that are familiar to the buyer, (2) only sellers rated by an independent rating service; (3) only sellers with certain performance guarantees, e.g., delivery time; or (4) only sellers that offer certain bonuses, e.g., air miles.
- Other buyer requirements will emerge over time. One illustration of a potentially popular element for product purchases is "where can I see it ...?" In this illustration, the buyer can ask for the name of the nearest store (e.g., identified by the manufacturer's database), and directory information (address, phone), and a map with driving directions (e.g., MapQuest).
- This framework of constrained search is fully extensible. As the number of e-sellers multiples - possible by 100X per category in the next 10 years - constraining search in a meaningful and relevant fashion will become ever more important. As new dimensions of constrained search become important (e.g., security and privacy considerations, trusted third party issues, availability of video demos, etc.) such constraints can be added to this framework.

FIG. 36

REPLACEMENT SHEET

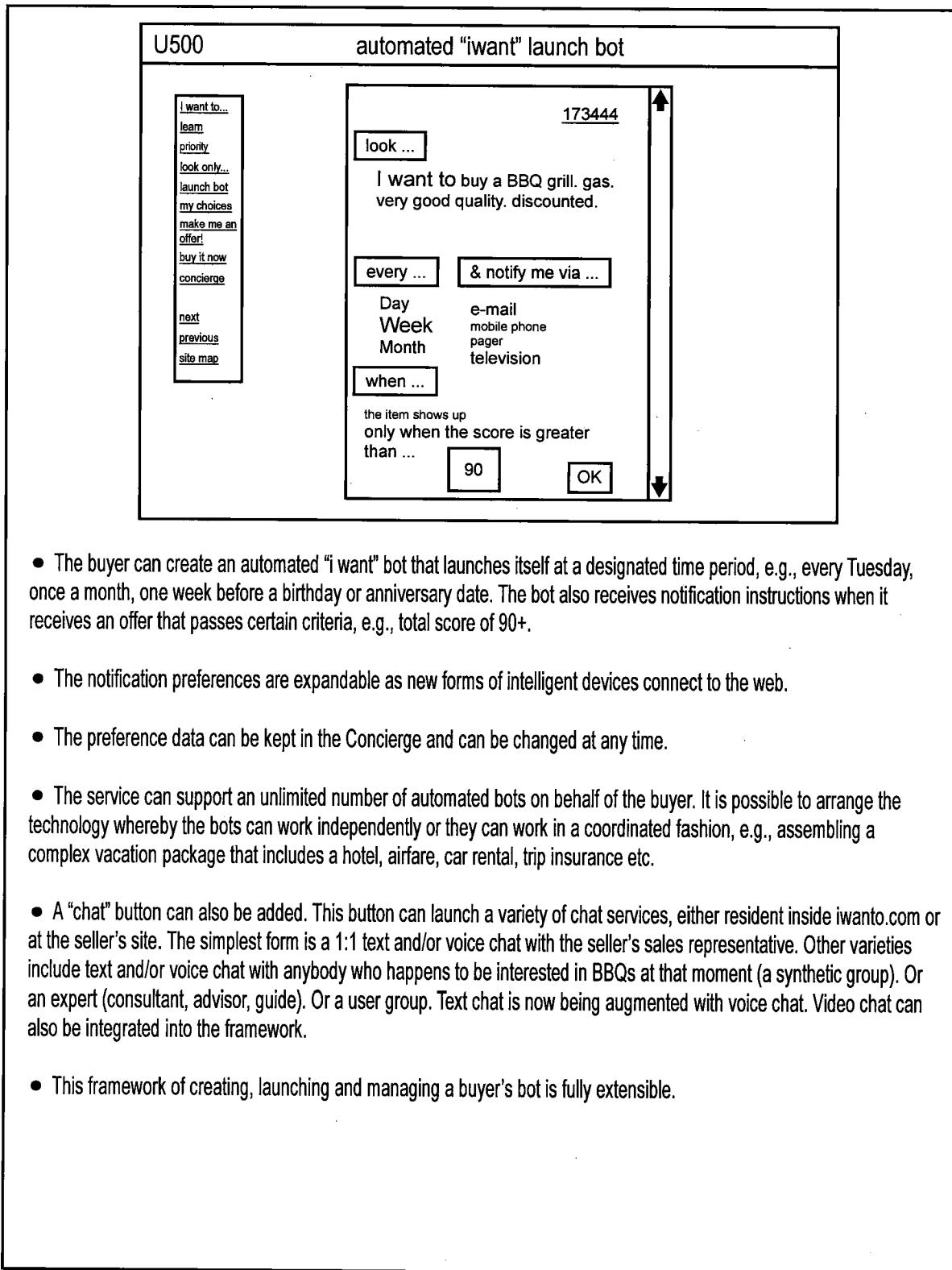


FIG. 37

REPLACEMENT SHEET

U600 "my choices" result

		sort by price	Round 173444	
<p><u>I want to...</u> <u>learn</u> <u>priority</u> <u>look only...</u> <u>launch bot</u> <u>my choices</u> <u>make me an offer!</u> <u>buy it now</u> <u>concierge</u> <u>next</u> <u>previous</u> <u>site map</u></p>	<p>1. bbq.com chat</p> <p>Closets, over-stocks, many items from around the world</p>	<p>Weber Genesis 1000 Many extras. Fully loaded. Needs some assembly. \$254 MSRP \$319</p>	<p><i>product thumbnail</i></p> <p>12 day delivery \$30 S&H No financing 90 day Warranty buy 2, 30% off</p>	
	<p>2. e-home.com chat</p> <p>We stock 4,800 models for men & women from 120 companies ...</p>	<p>Ducane 1504SHLPE Full featured BBQ. \$454 MSRP \$684</p>	<p><i>product thumbnail</i></p> <p>5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr. warranty</p>	
	<p>3. backyard.com chat</p> <p>The largest wholesaler of toys. We specialize in imports from ...</p>	<p>Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks. \$388 MSRP \$624</p>	<p><i>product thumbnail</i></p> <p>3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty</p>	
	<p>adjust myPriorities</p>	<p>make a recommendation</p>	<p>make me an offer!</p>	

● When the buyer touches the "go" button, the natural language inquiry ("i want to...") coupled with the decision criteria (my priorities) are launched against a database of e-merchant goods and services. This database can either be pre-compiled; or compiled on the fly; or a combination of the two.

● The search bot assembles all the high-relevance offers in a consistent manner, corresponding as closely as possible to the standard decision criteria as seen in the myPriority tool. The offers can be sorted by any arbitrary field, such as name of seller, asking price, or any of the priorities. In this illustration, the buyer sorted by posted prices. [bbq.com](#) sorted into the #1 position.

● It is expected that many sources of date can be aggregated into the "my choices" reporting framework. It is therefore fully extensible, adding new features and functionality supported by third party providers of relevant market data that can be integrated into "my choices".

● The buyer can delimit the results that are displayed by top 100 (or any number); highest score from the recommended; or by any of the criteria, such as delivery time or warranty.

● The "my choices" answers are all pre-adjustment. They are exactly as would be found on the seller's web-sites by any buyer or seller. The answers can be pre-filtered to remove offers which are clearly not going to be relevant or are purposefully misleading. This pre-filtering uses the "my priorities" criteria module.

● The buyer can also launch the "make a recommendation" function. The recommendation engine uses the "my priorities" weights and analyzes all the data in "my choices".

FIG. 38

REPLACEMENT SHEET

U700 "make a recommendation"

Round 173444

<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">I want to...</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">learn</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">priority</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">look only...</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">launch bot</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">my choices</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">make me an offer!</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">buy it now</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">concierge</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">next</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">previous</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">site map</div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;"> 1. e-home.com <div style="text-align: right;">chat</div> <p>We stock 4,800 models for men & women from 120 companies</p> </td> <td style="width: 33%; padding: 5px;"> Ducane 1504SHLPE Full featured BBQ. \$454 MSRP \$684 </td> <td style="width: 33%; padding: 5px; text-align: right;"> 5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr.. warranty 91 </td> </tr> <tr> <td style="width: 33%; padding: 5px;"> 2. bbq.com <div style="text-align: right;">chat</div> <p>Closeouts, over-stocks, many items from around the world</p> </td> <td style="width: 33%; padding: 5px;"> Weber Genesis 1000 Many extras. Fully loaded. Needs some assembly. \$254 MSRP \$319 </td> <td style="width: 33%; padding: 5px; text-align: right;"> 12 day delivery \$30 S&H No financing 90 day Warranty buy 2, 30% off 84 </td> </tr> <tr> <td style="width: 33%; padding: 5px;"> 3. backyard.com <div style="text-align: right;">chat</div> <p>The largest wholesaler of toys. We specialize in imports from ...</p> </td> <td style="width: 33%; padding: 5px;"> Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks. \$388 MSRP \$624 </td> <td style="width: 33%; padding: 5px; text-align: right;"> 3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty 76 </td> </tr> </table> <div style="text-align: center; margin-top: 10px;"> adjust myPriorities make me an offer! </div>	1. e-home.com <div style="text-align: right;">chat</div> <p>We stock 4,800 models for men & women from 120 companies</p>	Ducane 1504SHLPE Full featured BBQ. \$454 MSRP \$684	5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr.. warranty 91	2. bbq.com <div style="text-align: right;">chat</div> <p>Closeouts, over-stocks, many items from around the world</p>	Weber Genesis 1000 Many extras. Fully loaded. Needs some assembly. \$254 MSRP \$319	12 day delivery \$30 S&H No financing 90 day Warranty buy 2, 30% off 84	3. backyard.com <div style="text-align: right;">chat</div> <p>The largest wholesaler of toys. We specialize in imports from ...</p>	Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks. \$388 MSRP \$624	3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty 76
1. e-home.com <div style="text-align: right;">chat</div> <p>We stock 4,800 models for men & women from 120 companies</p>	Ducane 1504SHLPE Full featured BBQ. \$454 MSRP \$684	5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr.. warranty 91								
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- A summary "value score" can be displayed that summarizes relevancy. The value score is created by an algorithm that weights the buyer's utility function in a unique manner (via policy) and matches it against the market choices. The score serves as a recommendation. In this illustration, the seller's offers are rank-ordered by Score and displayed in sequence. Notice that the fictitious company "e-home" seems to be the most relevant and delivers the highest value.
- The resulting recommendation can include side-by-side comparisons of features. In this illustration, the Recommender gave e-home the #1 position, with a value score of 91. Note that the bbq.com offer (lowest price in "my choices") dropped from #1 into the #2 position.
- An exclusion filter can also be applied to the database. The exclusion filter removes all offers which are non-qualifying for any number of reasons, some decided by the buyer, some decided by the "my choices" server. For illustration, a buyer may have had a bad experience with a vendor, or a rating service may have given an e-merchant a bad rating; or the e-merchant is known to be using misleading information in their offers.
- The buyer has an option - as she does on almost all screens - to cycle back to the beginning and re-order her priorities, run the "my choices" again, and see if the resulting evaluation and recommendation has changed in an interesting manner. In this manner, the buyer is simulating her utility function - trying out different combinations that intuitively match her mental image of what is important to her. In the beginning, gross adjustments of her priorities may produce gross changes in the value score. As she converges on her priorities, the adjustments are expected to become finer and the value score more stable.
- Experienced buyers (within a particular category - not necessary across all categories) could go straight from an "iwanto" to an auction and bypass this step altogether.
- This framework for evaluation and recommendation is fully extensible. Additional evaluation criteria could be imposed from external sources. Multiple services can offer recommendations based on the same set of data. All of these features can be integrated into this framework.

FIG. 39

REPLACEMENT SHEET

U800 "make me an offer"

Hello. You only do this once, ever.

My name is

My secret password is

That's it. Have fun!

[I want to...](#)
[learn](#)
[priority](#)
[look only...](#)
[launch bot](#)
[my choices](#)
[make me an offer!](#)
[buy it now](#)
[concierge](#)

[next](#)
[previous](#)
[site map](#)

- When the buyer first comes to "iwanto.com", she is welcomed to the service. When she is ready to ask for her first "make me an offer!", she is asked to fill out a simple registration, which is immediately confirmed by return email. There is no need to fill out her personal profile until she makes her first purchase.
- As new standards emerge of automating the registration process, this declaration might simplify down to just one input - a statement that says "join" or "register". Everything else would be supplied by the locally resident (i.e., browser-based, on the user's computer) or server-based (i.e., remote) database. Numerous standards are supported by the service, including but not limited to Open Profiling Standard (OPS), E-Commerce Markup Language (ECML), Platform for Privacy (P3P), Microsoft Passport, and ancillary services such as TrustE. For buyers who use such functionality, a single button push can upload all the data into the registration process - including the user's name and preferred (default) password.

FIG. 40

REPLACEMENT SHEET

The image shows a user interface mockup titled "U810 limiting auction results". The interface is divided into two main sections: a sidebar on the left and a main content area on the right.

Sidebar (Left):

- I want to...
- learn
- priority
- look only...
- launch bot
- my choices
- make me an offer!
- buy it now
- concierge
- next
- previous
- site map

Main Content Area (Right):

Limit the results to ...

Top 3 bidders

Top 10 bidders

Top 100 bidders

All bidders

Only bidders with scores over 90

FIG. 41

REPLACEMENT SHEET

U900		"adjusted offers" auction result		
0:59	These adjusted offers are "best and final". All adjusted offers expire in 48 hours - Wednesday November 25th, 10:30pm EST			Round 173444
		original offers		adjusted offers
I want to... learn priority look only... launch bot my choices make me an offer! buy it now concierge next previous site map	1. backyard.com Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks.		\$395 3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty \$388 MSRP \$624	
	2. bbq.com Weber Genesis 1000 Many extras. Fully... loaded. Needs some assembly.		\$264 12 day delivery \$30 S&H No financing 90 day Warranty buy 2, 30% off \$254 MSRP \$319	96 buy me! talk to a rep
	3. e-home.com Ducane 1504SHLPE Full featured BBQ.		\$395 5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr. warranty \$454 MSRP \$684	90 buy me! talk to a rep
	adjust myPriorities		87 show me why	

FIG. 42

REPLACEMENT SHEET

U910	"i always get something"		
	Round 173444		
	original offers adjusted offers		
i want to... learn priority look only... launch bot my choices make me an offer! buy it now concierge next previous site map	<p>25. patioworld.com Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks.</p>	<p>3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty \$388 MSRP \$624</p>	<p>buy me!</p> <p>\$388. Premium package option - only \$36 (SRP \$72)</p> <ul style="list-style-type: none"> 1 day delivery no extra charge 3.9% interest no payments until 6/2000 48 month extended warranty <p>90</p>

FIG. 43

REPLACEMENT SHEET

U1000		"buy it now" transaction	
		Round 173444	
<p>I want to...</p> <p>learn</p> <p>priority</p> <p>look only...</p> <p>launch bot</p> <p>my choices</p> <p>make me an offer!</p> <p>buy it now</p> <p>concierge</p> <p>next</p> <p>previous</p> <p>site map</p>	<p>To review your profile, touch ...</p> <p>billing information</p> <p>shipping information</p> <p>it's ok</p> <p>it's ok</p> <p>Extras: gift wrap? notify when shipped?</p> <p>no yes</p>	<p>Product <u>Grillmaster</u> Seller</p> <p>Price Delivery S&H Financing</p> <p>Extended warranty Air miles</p> <p>Sunbeam</p> <p>backyard.com</p> <p>\$395 3 days \$58 pay in 6 installments no interest till 1/00 12.8% interest 2 years triple</p> <p>put in my shopping cart</p> <p>buy it now!</p> <p>Done. All the purchase information has been entered into your Archive. Thank you!</p>	

- If this is the buyer's first transaction, she is asked to fill out her personal profile. In the preferred implementation, the buyer is already using one of the profiling utilities and can populate all of the required information with one touch of a button. In subsequent transactions, this information is stored for her convenience in the form of a "concierge". She can review and charge it at any time.
- The service automatically populates all the necessary information, including the winning offer data. The buyer can edit anything inaccurate in her personal profile. The "buy it now!" button complete the transaction.
- iWanto.com verifies the billing and shipping data and forwards it to the seller for fulfillment. The seller can issue a tracking number, which is put into the buyer's archive.
- The buyer has a choice of consummating a transaction, or "passing". If the buyer wants to consummate a transaction, she can either do so in situ (within the service site), or exit the service site and go directly to the seller she chooses.
- If the buyer stays within the service site, she is presented with a universal shopping cart. Global personal data can negate the need for multiple registrations and data entry (e.g., credit card, address). All the features available for making the shopping experience simple are deployed here. As an extensible framework of transaction fulfillment, new features and functionality for consummating a transaction can be introduced at any time.
- iWanto.com executes the credit card transaction through the normal bank networks; gives buyer and seller the clearance number; and enters the data into the buyer's archive. The relevant data are passed to the seller in a secure transaction; electronics funds transfer follows. This back-end (discussed further in the seller's section) uses the best practices of business-to-business (B2B) software and services.

FIG. 44

REPLACEMENT SHEET

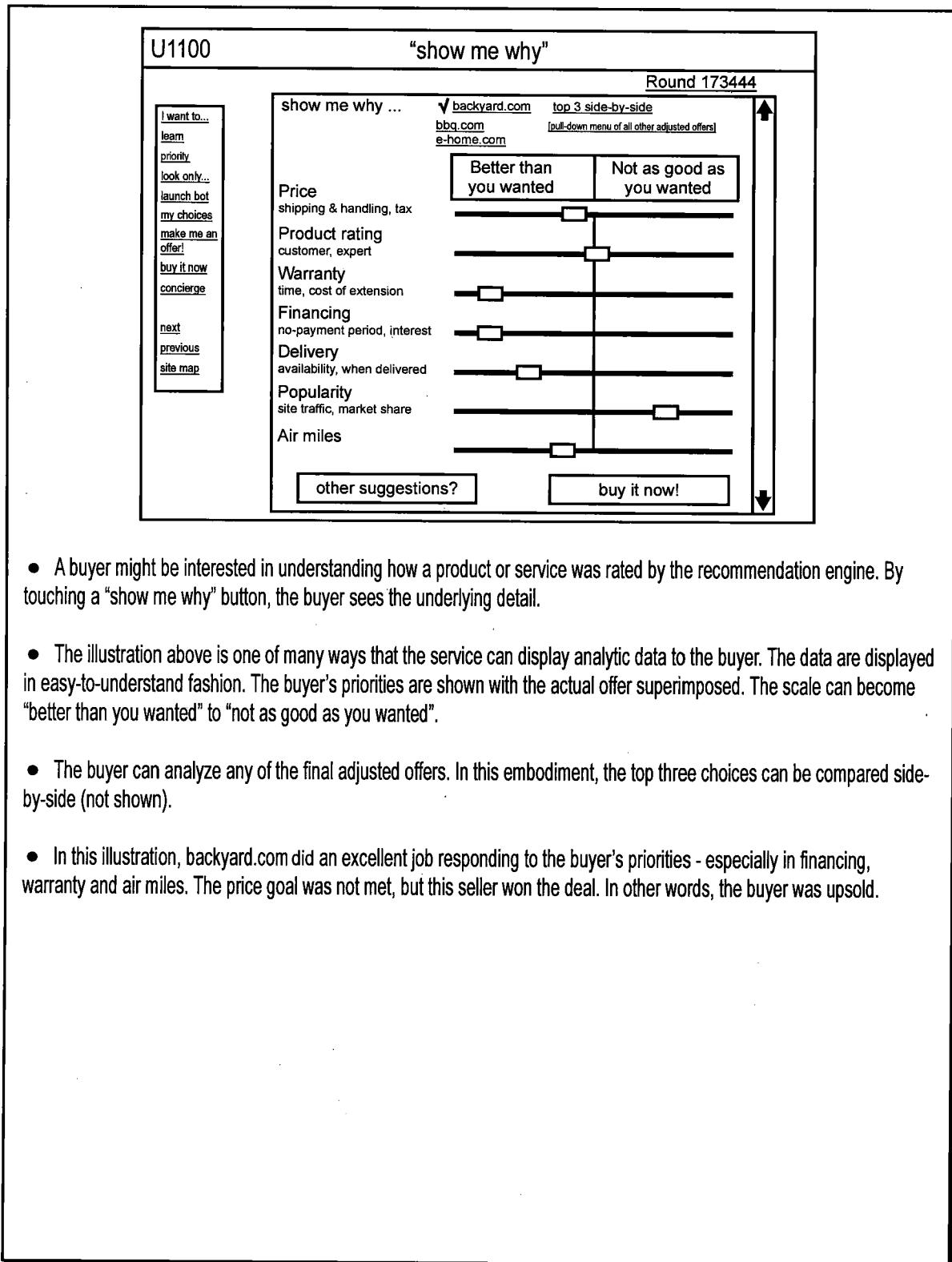


FIG. 45

REPLACEMENT SHEET

<p>I want to...</p> <p>learn</p> <p>priority</p> <p>look only...</p> <p>launch bot</p> <p>my choices</p> <p>make me an offer!</p> <p>buy it now</p> <p>concierge</p> <p>next</p> <p>previous</p> <p>site map</p>	<p style="text-align: center;">suggestions</p> <p>1. backyard.com Imperial built-in BBQ. All stainless inside and out. Can be built into a stand-alone frame. \$1,995.</p> <p>2. bbq.com Tailgater grill. Perfect for taking to the ballpark. Propane gas tank. Can be hooked up to RVs. \$139</p> <p>3. e-home.com Snowbird grill. For serious campers and backpackers. Lightweight aluminum, super-efficient burners. \$99</p>	<p style="text-align: center;">other suggestions</p> <p>Excellent steak deals from Kansas Beef Company</p> <p>Shinketsu BBQ tool set Now being auctioned on eBay.</p> <p>Recipes and notes from Amazon.com.</p>
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- This page presents another opportunity for sellers to “upsell” the buyer by suggesting not only accessories but also substitution products and services, complementary products and services -- various forms of upgrades to the basic “i want”. While the buyer is in a highly motivated and educated state, this is the ideal time for a seller to suggest upgrades.
- The service also has the ability to add various information, e.g., a suggestion module showing other recommended goods and service suggested by the buyer's peer group, various merchant and/or product evaluation content sources used by the service in rendering a rating, etc.
- This framework is fully extensible into many varieties of third party services, including: text chat, voice chat, expert chat, expert consulting, audio (e.g., voice over IP) customer service connection, video business-to-consumer (B2C) connection (see it), and access to seller's promotion material, such as literature, simulations, visualizations, FAQs, etc.
- Ancillary services. Buyers are most satisfied when a large number of sellers offer adjusted “best and final” offers. The iwanto.com service can guarantee that a large number of adjusted offers result from every buyer's auction, whether the e-sellers are affiliated or not, by becoming a private label discount supplier of ancillary services such as: a) longer extended warranty; (b) lower interest and longer no-payment financing; (c) faster method delivery. These support services are ancillary to iwanto.com's core business model. With sufficient aggregated demand (via bulk purchase combined with purchasing power), iwanto.com can expect to procure ancillary services at near “most favored nation” rates - those given to the supplier's next customers - and pass those along to the buyer to near zero profit, and in some cases as a loss leader. As the iwanto.com services scales, it can begin to aggregate demand and make affiliation deals that enable the serviced to offer upgrades for the same price by building in a discount factor (i.e. the same as a large retailer would exercise volume purchasing power, except in this case the demand is based on an annualized flow of demand). In practice, the buyer's request, “make me an offer!” will result in a large number of offers - some will actually be adjusted by the seller's bot, others will be bundled offers that include iwanto.com's private label ancillary services.

FIG. 46

REPLACEMENT SHEET

- The service maintains a record of all the "I want to" inquiries and the outcomes of the auctions. This automatically generated personal database - the Concierge - has multiple uses for the buyer, the seller and the system itself. The Concierge covers all relevant functions that are buyer-set, e.g., looking at her archive, profile, rewards program, bookmarks or favorite e-sellers etc. This data base is a valuable source of information to both buyers and sellers.
- The buyer's profile, priorities, archive, rewards program, notification preferences and favorite e-merchants all have economic value to sellers and can be auctioned to them in exchange for a consideration to the buyer (e.g., price rebates, price discounts, or loyalty program incentives). These elements can be fed into the buyer's business rules for making offer adjustments.
- The buyer has a choice of providing personal data to the sellers. If she wishes complete privacy, none of her personal data will be forwarded with the request for an offer. Alternatively, the buyer can receive various forms of credit for providing her personal data. One method is by awarding her frequent flyer points that can be redeemed at any major airline. She can implement that choice by using a simple UI element.
- The Concierge is also useful as a personal repository for many purposes, especially post-sale activities, e.g., returns, warranty claims, customer service, financing renewal (review of terms) etc.
- The Concierge is an extensible framework. As new applications become desirable, they can be implemented into the Concierge. A personal finance illustration might include a budgeting program, a bill presentation and electronic payment program, a tax program etc. The Concierge is also a logical place from which to create, launch and manage automated buyer's bots.

FIG. 47

REPLACEMENT SHEET

U1310 "my archive"

I want to...

learn

priority

look only...

launch bat

my choices

make me an offer!

buy it now

concierge

next

previous

site map

my archive - click for details

1/15/99	Women's skis, shape style ...	purchased	\$450	shipped 1/16/98
2/14/99	Mortgage refinance	\$180,000	
3/1/99	B&B in Vall ...	purchased	\$1,100	confirmed 3/1/99
4/11/99	Fragrance ...	purchased		back ordered
4/11/99	Epson printer supplies ...	purchased	\$29	shipped 4/13/99
5/4/99	Mexico cruise		
5/5/99	Book	purchased	\$14	shipped 5/5/99
5/5/99	CD	purchased	\$11	shipped 5/5/99
5/5/99	Books	purchased	\$36	back ordered
6/23/99	Flowers	purchased	\$58	shipped 6/23/99
7/21/99	Auto financing			

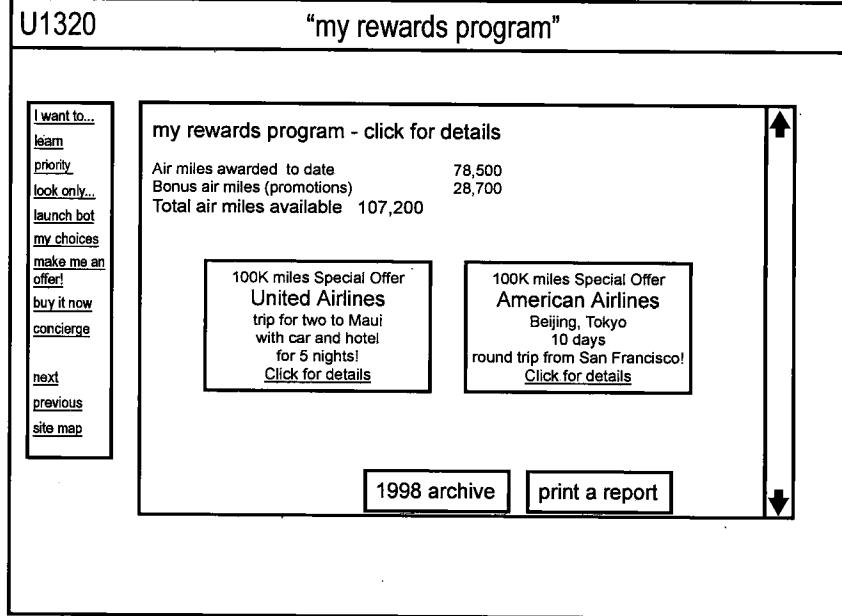
[more archive](#)

[print a report](#)

- The Archive is a record all purchases. This is a useful database. The buyer can refer back for further information, reminders etc.
- The Archive contains data not only on consummated transactions but also on transactions not consummated. For illustration, the buyer may have come close to a decision and then stopped, wishing to cycle back, do more research and learning, change her priorities, and then re-enter the market. The Archive gives the buyer a snapshot of where she left the process, and can resume the buyer's auction without having to start from the beginning.
- In the case of subscriptions (e.g., magazines) and evergreen contracts (e.g., cable television), the concierge can remind the buyer or perform automatic functions, such as cancellation, renewal or suggestion of a rebid.

FIG. 48

REPLACEMENT SHEET



- iWanto.com supports a "my rewards" loyalty and related incentives programs, which can be in affiliation with an airline or credit card or incentives management entity. The points are earned in various ways: a) standard \$1 purchased = one point; b) bonus points provided by sellers for special promotions (sales) or in exchange for private information, e.g., profiles; c) bonus points provided by iWanto.com as a promotion, or in conjunction with an incentives program; or some combination, e.g., a joint promotion between iWanto.com and a vendor.
- The buyer can state an "i want" to use up her points, with requests for offers (RFOs) that are conceptually and technically the same as the basic invention. For illustration, the buyer might launch "i want to redeem 100,000 miles for airline travel to Hawaii or somewhere in the Far East." Such an RFO could elicit the bids shown above.
- The rewards program is an open-ended framework - it can use dollars, air miles, coupons or any other valuable consideration.

FIG. 49

REPLACEMENT SHEET

U2000 "welcome new affiliate!"

hello backyard.com

Select Affiliation level

✓ Gold
Player status - all rounds
Subscription to Gold "market view" products

Silver
No Player status
Subscription to Silver "market view" products

Affiliate Agreement

Affiliation rules

Affiliate Fees

Company information ...

Technical information

Privacy policy

etc.

Done **Accepted**

- This Affiliation agreement is done on-line. The auction rules are explicit and agreed to by all players. The service needs: a) signed affiliation agreement; b) billing agreement; and c) cognizant officer (or proprietor).
- Affiliation can be implemented at several levels. For example, a simple embodiment can have two levels: (1) Gold - full affiliation status, i.e., the ability to make adjusted offers inside the auction plus access to proprietary data; and (2) Silver - subscription to non-proprietary data only. It is possible that affiliation levels below Gold will also be allowed to make adjusted offers. Alternately, only the top level (Gold) can be a "player" and make adjusted offers.
- The auction rules are a framework that enables the iwanto.com service to set explicit policies and processes for how the auction runs, and enables the service to change those rules from time to time - either globally (for all auctions), or for one specific auction (e.g., at a buyer's request for a customized set of auction parameters). Illustrations include the length of the auction period(s); the number of auction period(s) before all adjustments cease; whether offers are closed bid until the end of the period; the length of time that adjusted offers are required to stay binding on the seller and hence the length of time that the buyer has to accept an offer before it is extinguished; the ability for the seller to insert human intervention into the offer adjustment process; the possibility of a "tie" in recommendation value score; whether each score in a subsequent period has to be equal to or greater than the previous value score or whether the score is allowed to float downward; etc. These auction rule agreements are binding on all sellers.
- The adherence to a private policy is part of the affiliation process. The iwanto service can implement a simple or complex set of processes behind this agreement. Some of the procedures can be internal to iwanto.com. Others can involve third party custodians of data or data integrity assurance, e.g., Price Waterhouse Coopers, TrustE, etc.
- The standard navigation bar (vertical, left element) includes short-cuts for the seller.
- In this illustration, the seller selected "gold" affiliate level, entitling him to participate in all the rounds and to receive the full suite of "market watch" information products. By touching "Affiliate fees", the seller is taken directly to U2100.

REPLACEMENT SHEET

U2100 **"Affiliate Fees"**

[Affiliate](#)
[Products](#)
[Rules](#)
[Archive](#)
[Round #](#)
[Purchases](#)
[Analysis](#)

[next](#)
[previous](#)
[site map](#)

success
fee

"market watch" data mine
subscription

Gold	2.5%	10¢ ✓ Proprietary data <small>(see list next page)</small> ✓ Non-proprietary data <small>(see list next page)</small>
Silver	2.5%	5¢ ✓ Non-proprietary data <small>(see list next page)</small>

[details of subscription packages](#)

- The fee structure is part of the Affiliation agreement. In this illustration, all sellers pay a success fee of 2.5% of the final product price if they win the bid. Gold affiliates have the right but not the obligation to make adjusted offers Silver affiliates cannot make adjusted offers. In alternative implementations, all sellers might be able to make adjusted offers as long as they are affiliated and thereby pay a success fee. The service might also find it advantageous to set the success fee differently for different products or services, depending on their value; the range of these success fees could be from zero to any percentage agreed to by the sellers.
- In this illustration, Gold affiliates pay 10¢ per round and receive the entire suite of proprietary "market watch" information. This information contains both publicly available data plus proprietary data that gives details on who bid in the auction, what adjusted offers were made, who won, who lost, and why.
- In this illustration, Silver affiliates pay 5¢ per round to receive the non-proprietary subset of "market watch" information. this non-proprietary information is publicly available but can only be gathered with great effort by the seller. The value of the Silver subscription is instantaneous delivery of relevant information, packaged and aggregated.
- The information products can also be unbundled and priced separately.

FIG. 51

REPLACEMENT SHEET

U2200 subscription products	
<u>Affiliate</u> <u>Products</u> <u>Rules</u> <u>Archive</u> <u>Round #</u> <u>Purchases</u> <u>Analysis</u> <u>next</u> <u>previous</u> <u>site map</u>	<p>Silver (non-proprietary)</p> <p><u>buyer's "i want"</u></p> <p><u>buyer's "look" constraints</u></p> <p><u>buyer's anonymous profile</u></p> <p><u>buyer's lifetime value</u></p> <p><u>buyer's "priorities"</u></p> <p><u>"my choices" result</u></p> <p><u>Acxiom or Engage data</u></p> <p><u>Consumer Reports data</u></p> <p>Gold (proprietary)</p> <p><u>buyer's archive</u></p> <p><u>auction participants</u></p> <p><u>auction adjusted offers</u></p> <p><u>system recommendation</u></p> <p><u>auction result</u></p> <p><u>post-auction analysis</u></p>

- The various proprietary and non-proprietary "market watch" information product subscriptions can be specified using this panel.
- Gold affiliates receive all the information products shown above (the superset). The proprietary information cannot be acquired anywhere else because it is a direct result of the auction process and only occurs within the iWanto.com site at the time of auction.
- Silver affiliates receive only the non-proprietary information products listed above. This is information that can be acquired by the seller from sources other than iWanto.com.
- By touching one of the information products, a seller is transported immediately to that information module (e.g., to the post-auction analysis).
- To price discriminate, the information bundles can be arbitrarily fine-grained and priced differently. The service can support many unique information bundles or packages.
- As shown above with the Acxiom, Engage and Consumer Reports illustrations, the iWanto.com service can also act as a reseller of third party data sources.
- The inventory changes as the service adds new information products. This basic data mining aspect of iWanto is an important aspect of its business (revenue) model.

FIG. 52

REPLACEMENT SHEET

U2300 seller's business rules			
Affiliate Products Rules Archive Round # Purchases Analysis next previous site map	max adjustment	match or beat	
Price Standard shipping & handling 1 day 3 day 5 day	10% 5% 10% 20% 0%	bbq.com e-home	
Tax Warranty Extended warranty (time) Extended warranty (cost)	50% 33%	bbq.com bbq.com	
Financing Months before payment Interest rates Rewards program points	80% 40% 200%	e-home e-home bbq.com	
<input type="button" value="global setting"/> <input type="button" value="for this round only"/> <input type="button" value="use auto-recommendation"/>			

- One of the first actions of a Gold (or offer-adjusting) affiliate is to set his business rules. Both affiliated and unaffiliated seller's business rules are set to zero at the beginning. By giving all sellers a simple business rules template pre-set to zero, the iWanto service can incorporate all of them into the action adjustment process without waiting for a positive (i.e., non-zero) setting. In the degenerate case, the seller's posted offer will equal his adjusted offer, and both would be deemed "best and final" and so marked on the user interface. The seller can set his rules in numerous ways, including, without limitation: a) via a global setting - set once for all rounds, irrespective of the buyer's profile; b) for this round only - upon seller's analysis of the buyer and the market; or c) by using auto-recommendation - the iWanto recommender engine can supply a default set of business rules that will match or beat the competition and get the deal. Most sellers (small businesses) can set their business rules by using the template bot supplied by iWanto.com. The business rules template illustrated above presents a simple model to the seller. The simple business rules client will be posted in source code form on the web. Sellers can use and modify the code for free. Sophisticated sellers can drive this template using their own proprietary business rules model. Their confidential business information drives the rules, e.g., competitive data, current cost of capital, inventory levels etc. More sophisticated sellers can drive the iWanto.com template bot via their own proprietary business rules engines. The preferred embodiment accommodates external "drivers" of the many popular business rules engines, e.g., as provided by Oracle, Sybase, SAP, PeopleSoft etc. As the business-to-business (B2B) industry develops new business rule drivers, the iWanto.com platform can accommodate them via APIs supplied by the vendor. The seller can set his business rules numerically (as shown) or by attaching each parameter to a named competitor. This creates a dynamic where certain sellers become price leaders (setters) or terms-of-offer setters. It allows companies to compete with each other with pinpoint accuracy.
- The business rules template is a framework that is extensible. New categories of seller's rules can be added to the template either by the iWanto.com service (open) or suggested by the sellers. For the business rules template to have beneficial effect, there needs to be agreement between the seller, the buyer and the iWanto service about the template elements. Hence, to ensure consistency, the iWanto service can act as custodian of the business rules templates semantics, e.g., the meaning of the term "extended warranty" or "zero-payment period". As other entities - e.g., Ariba, Commerce One - create standards for business-to-business (B2B) commerce, iWanto.com can readily adapt them into this framework.

FIG. 53

REPLACEMENT SHEET

<p>U2400</p> <p>Affiliate Products Rules Archive Round # Purchases Analysis</p> <p>next previous site map</p>	<p style="text-align: center;">"points program"</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Rewards program points per \$</p> <p style="margin-top: 20px;"> Standard: 1 point (a) <input checked="" type="checkbox"/> Bonus points 3 points (a) <input checked="" type="checkbox"/> Bonus points for ID: 2 points (b) </p> <hr/> <p style="margin-top: 20px;"> (a) paid only by winning bidder (b) paid for buyer's ID, losing bidders </p> </div>
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FIG. 54

REPLACEMENT SHEET

U3000

buy original "i want"

Round 173444
look ...

I want to ...

buy a BBQ grill

local within ___ miles
 USA only
 Whole world

Priority
very important
not important

Total Price (shipping, handling, tax)

(0)

Evaluations (customer, expert)

(0)

Warranty (& extension)

(0)

Financing (no-payment period, interest)

(0)

Delivery (availability, speed)

(0)

Popularity (site traffic, market share)

(0)

Air miles

(0)

Affiliate
Products
Rules
Archive
Round #
Purchases
Analysis

next
previous
site map

- All the information necessary to conduct an auction is inside the iwanto.com servers in the form of a database. However, if the seller wishes to see reports of what is going on in each round (in real time or historical archive), a report is generated. The illustration above shows that the seller sees the buyer's RFO (request for an offer); the "look" constrained search delimiters; and the buyer's utility function (priorities). The buyer's identity is not revealed - she is anonymous.
- The seller can manipulate the "my priorities" data using their own models of buyer behavior and market segmentation.

FIG. 55

REPLACEMENT SHEET

<p>U2100</p> <p align="center">"Affiliate Fees"</p>											
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 15%; padding: 5px;"> <u>Affiliate</u> <u>Products</u> <u>Rules</u> <u>Archive</u> <u>Round #</u> <u>Purchases</u> <u>Analysis</u> <u>next</u> <u>previous</u> <u>site map</u> </td><td style="width: 60%; padding: 10px;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 30%; padding: 5px;"> buyer value Last 90 days \$0 Last 180 days \$580 Last 1 year \$1,145 Last 3 years \$21,490 Lifetime value \$145,977 </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 60%; padding: 5px;"> anonymous profile gender F age 35 marital married income \$68K home Condo children 1 auto 96 Audi credit rating AAA education 16 yrs zip code 94022 Tel. prefix 650-917 ISP AOL credit card MC, Visa </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 20%; padding: 5px;"> archive Woman's skis, shape style ... Mortgage refi \$180,000 ... B&B in Vail ... Fragrance ... Epson printer supplies ... Mexico cruise Book CD Book Flowers Auto financing </td><td style="width: 10%; text-align: center; padding: 5px;">  </td></tr> </table> </td></tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;"> <p>Legal notice: this strictly confidential information is provided by buyer exclusively for use in this market Round. Redistribution or other use is prohibited. Violation of the Affiliate agreement is punishable by a fine.</p> </td></tr> </table>	<u>Affiliate</u> <u>Products</u> <u>Rules</u> <u>Archive</u> <u>Round #</u> <u>Purchases</u> <u>Analysis</u> <u>next</u> <u>previous</u> <u>site map</u>	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 30%; padding: 5px;"> buyer value Last 90 days \$0 Last 180 days \$580 Last 1 year \$1,145 Last 3 years \$21,490 Lifetime value \$145,977 </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 60%; padding: 5px;"> anonymous profile gender F age 35 marital married income \$68K home Condo children 1 auto 96 Audi credit rating AAA education 16 yrs zip code 94022 Tel. prefix 650-917 ISP AOL credit card MC, Visa </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 20%; padding: 5px;"> archive Woman's skis, shape style ... Mortgage refi \$180,000 ... B&B in Vail ... Fragrance ... Epson printer supplies ... Mexico cruise Book CD Book Flowers Auto financing </td><td style="width: 10%; text-align: center; padding: 5px;">  </td></tr> </table>	buyer value Last 90 days \$0 Last 180 days \$580 Last 1 year \$1,145 Last 3 years \$21,490 Lifetime value \$145,977		anonymous profile gender F age 35 marital married income \$68K home Condo children 1 auto 96 Audi credit rating AAA education 16 yrs zip code 94022 Tel. prefix 650-917 ISP AOL credit card MC, Visa		archive Woman's skis, shape style ... Mortgage refi \$180,000 ... B&B in Vail ... Fragrance ... Epson printer supplies ... Mexico cruise Book CD Book Flowers Auto financing		<p>Legal notice: this strictly confidential information is provided by buyer exclusively for use in this market Round. Redistribution or other use is prohibited. Violation of the Affiliate agreement is punishable by a fine.</p>		
<u>Affiliate</u> <u>Products</u> <u>Rules</u> <u>Archive</u> <u>Round #</u> <u>Purchases</u> <u>Analysis</u> <u>next</u> <u>previous</u> <u>site map</u>	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="width: 30%; padding: 5px;"> buyer value Last 90 days \$0 Last 180 days \$580 Last 1 year \$1,145 Last 3 years \$21,490 Lifetime value \$145,977 </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 60%; padding: 5px;"> anonymous profile gender F age 35 marital married income \$68K home Condo children 1 auto 96 Audi credit rating AAA education 16 yrs zip code 94022 Tel. prefix 650-917 ISP AOL credit card MC, Visa </td><td style="width: 10%; text-align: center; padding: 5px;">  </td><td style="width: 20%; padding: 5px;"> archive Woman's skis, shape style ... Mortgage refi \$180,000 ... B&B in Vail ... Fragrance ... Epson printer supplies ... Mexico cruise Book CD Book Flowers Auto financing </td><td style="width: 10%; text-align: center; padding: 5px;">  </td></tr> </table>	buyer value Last 90 days \$0 Last 180 days \$580 Last 1 year \$1,145 Last 3 years \$21,490 Lifetime value \$145,977		anonymous profile gender F age 35 marital married income \$68K home Condo children 1 auto 96 Audi credit rating AAA education 16 yrs zip code 94022 Tel. prefix 650-917 ISP AOL credit card MC, Visa		archive Woman's skis, shape style ... Mortgage refi \$180,000 ... B&B in Vail ... Fragrance ... Epson printer supplies ... Mexico cruise Book CD Book Flowers Auto financing					
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<p>Legal notice: this strictly confidential information is provided by buyer exclusively for use in this market Round. Redistribution or other use is prohibited. Violation of the Affiliate agreement is punishable by a fine.</p>											

FIG. 56

REPLACEMENT SHEET

U3200		"my choices" result		
		Round 173444		
Affiliate		1. bbq.com	Weber Genesis 1000 Many extras. Fully loaded. Needs some assembly. \$254 MSRP \$319	<i>pocket thumbnail</i> 12 day delivery \$30 S&H No financing 90 day Warranty buy 2, 30% off
Products		2. e-home.com	Ducane 1504SHLPE Full featured BBQ. \$454 MSRP \$684	<i>pocket thumbnail</i> 5 day delivery \$40 S&H pay in 6 installments 12.8% interest 1 yr.. warranty
Rules		3. backyard.com	Sunbeam Grillmaster HG850C Everything included for grilling and roasting, fish, chicken, steaks. \$388 MSRP \$624	<i>pocket thumbnail</i> 3 day delivery \$58 S&H pay in 3 installments 12% interest 2 year warranty
Archive				
Round #				
Purchases				
Analysis				
next				
previous				
site map				

- The seller sees the result of "my choices". Here is a case where the seller can laboriously search the web for posted offers and discover the same information as presented above. The iwanto.com service value add is to package the correct information at the right time (pre-auction) in the proper form (electronic) such that the seller's bot can take action on it and make an adjusted offer.

FIG. 57

REPLACEMENT SHEET

FIG. 58

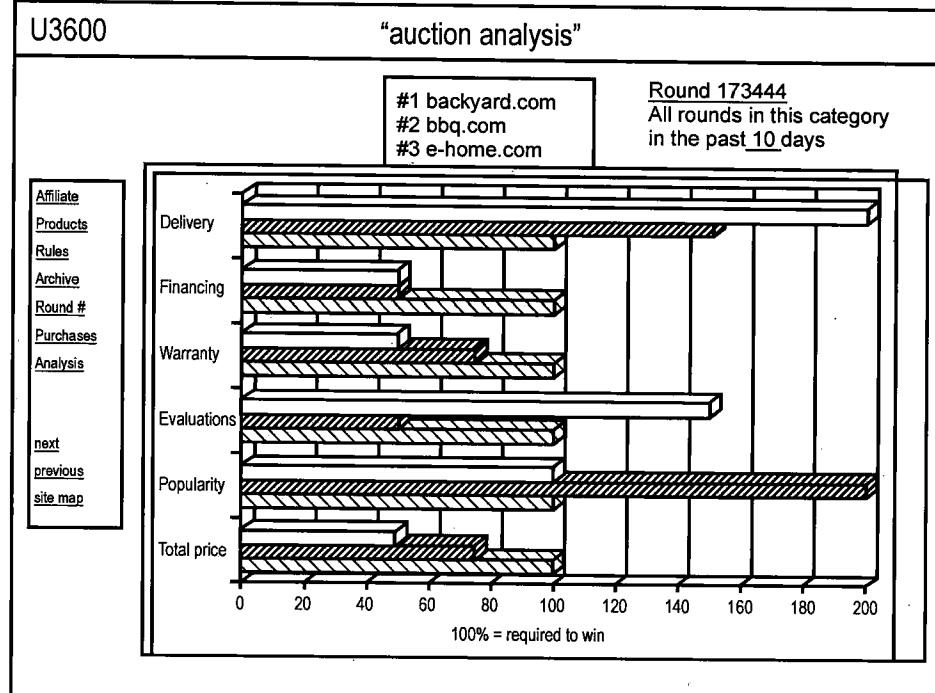
REPLACEMENT SHEET

U3500		transaction
Round 173444		
Affiliate Products Rules Archive Round # Purchases Analysis next previous site map	ship to: <u>customer #7,287,932</u> unchanged <u>billing information</u> unchanged <u>shipping information</u> unchanged	Seller <u>backyard.com</u> <u>Round</u> 17344 <u>Product</u> Sunbeam Grillmaster HG850C <u>Price</u> \$388 <u>Delivery</u> 3 days <u>S&H</u> \$58 <u>Financing</u> pay in 6 installments no interest till 1/2000 12.8% interest Extended warranty 2 years Air miles 3X
purchased at 1425 PDT funds transfer tonight		

- The seller's affiliation agreement states whether the buyer can do the transaction in situ, or whether the buyer is required to come to the seller's site. The advantages to the buyer of staying in situ are: a) the buyer can stay within one unified environment without going through the resistance barrier of suddenly being in a different environment, with a different UI and additional hurdles such as a re-registration burden; b) the iwanto.com service can aggregate loyalty program points across a number of re-sellers; and c) all the data generated by the transaction are integrated into the concierge for archival uses without any additional effort by the buyer.
- The advantages to the buyer of going to the seller's site are: a) trust (e.g., if a strong brand like Amazon); b) familiarity; and c) integration into the seller's loyalty program.
- In this case, the buyer decided to stay inside iwanto.com service. She approved identifying her by name and address in exchange for air mile points. All the credit card transactions flow directly from iwanto.com's accounts via EFTS into backyard.com's account.

FIG. 59

REPLACEMENT SHEET



- In this illustration, only Gold affiliates see this information. The seller sees exactly who won the Round, and why. Various formats can be used for reporting the results of an auction. The results can be reported on a single auction, or they can be aggregated for a set of auctions.
- The service can provide an analysis of each round, or summaries of a large number of rounds. These analytic tools and summaries help the seller analyze how to segment the market and win more rounds. They are constrained optimization problem solvers.
- In this illustration, the winner's offer - backyards.com – is shown at 100%. By definition, this offer won the bid. The other seller's offers (displayed according to the template with each term analyzed separately) reveals information about the bids. For illustration, e-home can conclude the following: its product had strong third party evaluation an excellent delivery; however the company fell short on warranty (too short), financing (not enough free period) and price (too expensive). The other losing bidder, bbq.com had a different experience. The site is extremely popular and has great delivery time. But also underachieved on warranty and financing.
- This ex-post evaluation framework is extensible in many ways. The actual methods of analysis can be varied. Either iwanto.com or third party companies can create a side business offering analysis of auction results, and sell the analyses as a consulting or subscription service. Also, the reporting formats can vary from that illustrated above. Sophisticated sellers can simply buy the raw data and analyze it themselves.

FIG. 60